10/531,495 AA Yong Ch
search for prior art 7/7 Current app.
clear. 12/15/2006

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NEWS 4	AUG 28	ADISCTI Reloaded and Enhanced
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NEWS 6	SEP 11	CA/CAplus enhanced with more pre-1907 records
NEWS 7	SEP 21	CA/CAplus fields enhanced with simultaneous left and right truncation
NEWS 8	SEP 25	CA(SM)/CAplus(SM) display of CA Lexicon enhanced
NEWS 9	SEP 25	CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS 10	SEP 25	CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS 11	SEP 28	CEABA-VTB classification code fields reloaded with new classification scheme
NEWS 12	OCT 19	LOGOFF HOLD duration extended to 120 minutes
NEWS 13	OCT 19	E-mail format enhanced
NEWS 14	OCT 23	Option to turn off MARPAT highlighting enhancements available
NEWS 15	OCT 23	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS 16	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS 17	OCT 30	CHEMLIST enhanced with new search and display field
NEWS 18	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS 19	NOV 10	CA/CAplus F-Term thesaurus enhanced
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NEWS 21	NOV 13	CA/CAplus pre-1967 chemical substance index entries enhanced with preparation role
NEWS 22	NOV 20	CAS Registry Number crossover limit increased to 300,000 in additional databases
NEWS 23	NOV 20	CA/CAplus to MARPAT accession number crossover limit increased to 50,000
NEWS 24	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS 25	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS 26	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS 27	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

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FILE 'HOME' ENTERED AT 11:59:37 ON 15 DEC 2006

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:59:44 ON 15 DEC 2006
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STRUCTURE FILE UPDATES: 14 DEC 2006 HIGHEST RN 915690-78-7
DICTIONARY FILE UPDATES: 14 DEC 2006 HIGHEST RN 915690-78-7

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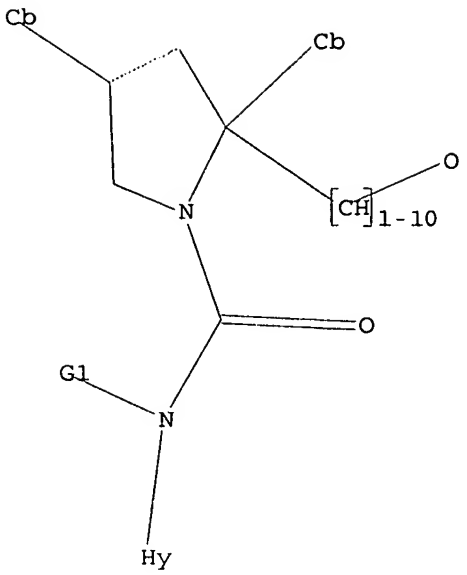

G1 H,CH

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED -      260 TO ITERATE

100.0% PROCESSED      260 ITERATIONS                                  9 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          4233 TO     6167
PROJECTED ANSWERS:                9 TO      360

L2             9 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 12:00:10 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     5438 TO ITERATE

100.0% PROCESSED     5438 ITERATIONS                                310 ANSWERS
SEARCH TIME: 00.00.01

L3           310 SEA SSS FUL L1

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COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     167.38     167.59

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FILE LAST UPDATED: 14 Dec 2006 (20061214/ED)

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L4 7 L3

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L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2006:1009710 CAPLUS
DOCUMENT NUMBER: 145:377211
TITLE: Preparation of 2,5-dihydropyrrole compound containing piperidine moiety as mitotic kinesin inhibitor
INVENTOR(S): Coleman, Paul J.; Cox, Christopher D.; Hartman, George D.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 98pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006101780	A1	20060928	WO 2006-US8674	20060310

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: US 2005-662519P P 20050316
OTHER SOURCE(S): MARPAT 145:377211
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [p = 0-3; q = 0-2; R1 = aryl, heterocyclyl, alkyl, etc.; said aryl, heterocyclyl and alkyl is optionally substituted with halo, CN, OH, etc.; R2 = halo, CN, OH, etc.; R3 = H, alkyl, aryl, etc.; said alkyl and aryl is optionally substituted with halo, CN, OH, etc.; R5 = H, alkyl,

aryl, etc.; said alkyl and aryl is optionally substituted with halo, CN, OH, etc.; R6 = H, halo, CN, etc.; W = bond, C:O, C:S, etc.; provided that at least one silicon atom is present in the compd., and further provided that -W-R5 is not -alkyl-O-Si(alkyl)3.], pharmaceutically acceptable salts or stereoisomers thereof were prepd. For example, Pd/C catalyzed de-benzyloxycarbonylation of compd. II [R = tert-butyldimethylsilyl; R' = benzyloxycarbonyl], e.g., prepd. from benzyl 4-oxo-1-piperidinecarboxylate in 7 steps, followed by treatment with trifluoroacetic acid and reaction with 3-chloropropyltrimethylsilane afforded compd. II [R = H; R' = 3-trimethylsilylpropyl]. In kinesin ATPase in vitro assays, compd. II [R = H; R' = 3-trimethylsilylpropyl] exhibited the IC50 value of .ltoreq.50 .mu.M. Compds. I are claimed useful for the treatment of brain cancer, stomach cancer, etc.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1171050 CAPLUS
DOCUMENT NUMBER: 143:440255
TITLE: A process for the preparation of 2,2-disubstituted pyrroles
INVENTOR(S): Javadi, Gary; Karady, Sandor; Maeda, Kenji; Miller, Ross A.; Szumigala, Ronald H.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005102996	A2	20051103	WO 2005-US13630	20050415
WO 2005102996	A3	20060119		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2004-563583P P 20040419
OTHER SOURCE(S): MARPAT 143:440255
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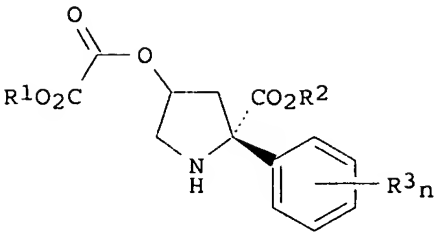

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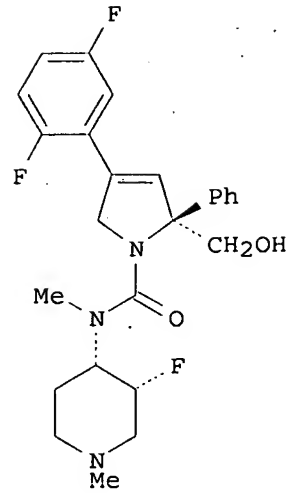

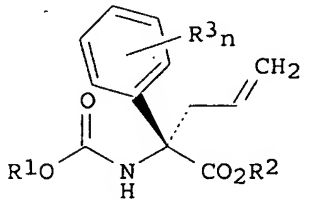

II

III

AB A process for the prepn. of title compds. of formula I [R1, R2 = independently (un)substituted (cyclo)alkyl, aryl or heterocyclyl;R3 = H, halo, cyano, hydroxy, etc.; n = 1 or 2] comprising reacting a compd. of formula II (R1-R3 and n are defined as above) with a halogenating agent in an aq. solvent is disclosed. For example, III was provided in a multi-step synthesis starting from (R)-2-phenylglycine. The crystal structure of (3R,4S)-3-fluoro-N,1-dimethylpiperidin-4-amine.bul.2HCl was also obtained. I are useful as intermediates in the prepn. of 2,2,4-trisubstituted 2,5-dihydropyrroles, that are inhibitors of mitotic kinesin (no data).

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:182653 CAPLUS
DOCUMENT NUMBER: 142:280064
TITLE: Preparation of dihydropyrrolecarboxamides as mitotic kinesin inhibitors for treating cancer
INVENTOR(S): Coleman, Paul J.; Cox, Christopher D.; Garbaccio, Robert M.; Hartman, George D.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 187 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005019206	A1	20050303	WO 2004-US26012	20040811
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2005043357	A1	20050224	US 2004-915743	20040811
AU 2004266232	A1	20050303	AU 2004-266232	20040811
CA 2534065	AA	20050303	CA 2004-2534065	20040811

EP 1664026	A1	20060607	EP 2004-780791		20040811
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CN 1839128	A	20060927	CN 2004-80023309		20040811
BR 2004013580	A	20061017	BR 2004-13580		20040811
US 2006234984	A1	20061019	US 2006-567676		20060209
NO 2006001194	A	20060505	NO 2006-1194		20060314
PRIORITY APPLN. INFO.:			US 2003-495637P	P	20030815
			US 2004-563580P	P	20040419
			US 2003-512680P	P	20031020
			US 2004-563586P	P	20040419
			WO 2004-US25980	W	20040811
			WO 2004-US26012	W	20040811

OTHER SOURCE(S): MARPAT 142:280064

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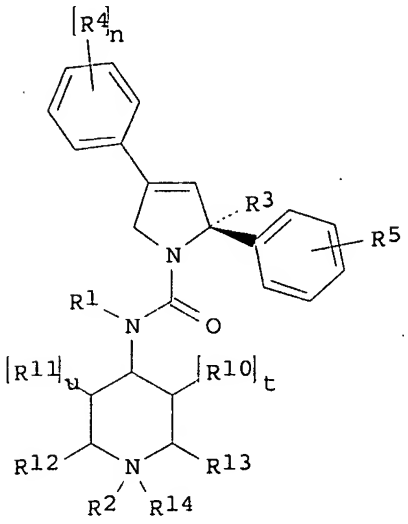

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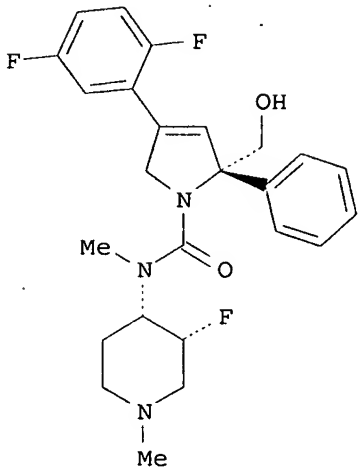

II

AB The present invention relates to dihydropyrrole compds. I [R1, R2 = H, alkyl, aryl, etc.; R3 = H, alkyl, CH2OH, etc.; R4 = CO2H, halo, CN, etc.; R5 = H, halo, CN, etc.; R10, R11 = F, CH2F; R12, R13 = H, CH2F; R14 = absent, oxo; n = 0-3; t = 0-2; u = 0-1] that are useful for treating cellular proliferative diseases, for treating disorders assocd. with KSP kinesin activity, and for inhibiting KSP kinesin. E.g., a multi-step synthesis of II, which showed an IC50 of .ltoreq. 50 .mu.M in kinesin ATPase in vitro assay, was given. The invention is also related to compns. which comprise these compds. I, and methods of using them to treat cancer in mammals.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:	2005:177831 CAPLUS
DOCUMENT NUMBER:	142:280071
TITLE:	Preparation of dihydropyrrolecarboxamides as mitotic kinesin inhibitors for treating cancer
INVENTOR(S):	Coleman, Paul J.; Cox, Christopher D.
PATENT ASSIGNEE(S):	Merck & Co., Inc., USA
SOURCE:	PCT Int. Appl., 177 pp. CODEN: PIXXD2
DOCUMENT TYPE:	Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005018547	A2	20050303	WO 2004-US25964	20040811
WO 2005018547	A3	20050915		
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004266629	A1	20050303	AU 2004-266629	20040811
CA 2533889	AA	20050303	CA 2004-2533889	20040811
EP 1656146	A2	20060517	EP 2004-780749	20040811
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CN 1835756	A	20060920	CN 2004-80023307	20040811
PRIORITY APPLN. INFO.:			US 2003-495735P P	20030815
			WO 2004-US25964 W	20040811

OTHER SOURCE(S): MARPAT 142:280071
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The present invention relates to dihydropyrrole compds. I [R1, R2 = H, alkyl, aryl, etc.; R3 = H, alkyl, CH2OH, etc.; R4 = CO2H, halo, CN, etc.; R5 = H, halo, CN, etc.; R10 = H, F; R11, R12 = F, CH2F; R13, R14 = H, CH2F; R15 = absent, oxo; n = 0-3; t, u = 0-2] that are useful for treating cellular proliferative diseases, for treating disorders assocd. with KSP kinesin activity, and for inhibiting KSP kinesin. E.g., a multi-step synthesis of a mixt. of II and III, which showed an IC50 of .ltoreq. 50 .mu.M in kinesin ATPase in vitro assay, was given. Over 260 compds. I were claimed. The invention is also related to compns. which comprise these compds. I, and methods of using them to treat cancer in mammals.

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:158826 CAPLUS
DOCUMENT NUMBER: 142:261392
TITLE: Preparation of pyrrole derivatives as mitotic kinesin inhibitors
INVENTOR(S): Coleman, Paul J.; Cox, Christopher D.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 98 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005017190	A2	20050224	WO 2004-US26242	20040811
WO 2005017190	A3	20051215		

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AU 2004264533	A1	20050224	AU 2004-264533		20040811
CA 2534729	AA	20050224	CA 2004-2534729		20040811
EP 1656133	A2	20060517	EP 2004-780997		20040811
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CN 1835746	A	20060920	CN 2004-80023308		20040811
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OTHER SOURCE(S): MARPAT 142:261392

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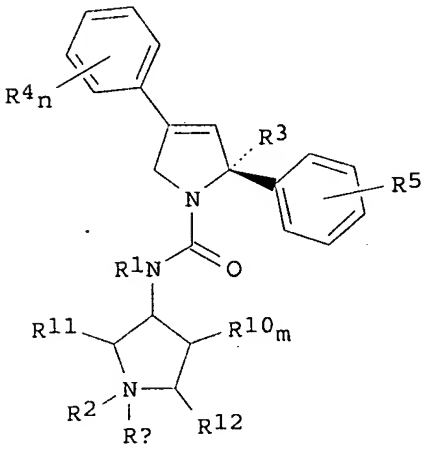


I

AB Title compds. represented by the formula I [wherein R1, R2 = independently H, (un)substituted (cyclo)alkyl, aryl, heterocyclyl; R3 = H, alkyl(hydroxy), alkenyloxyalkyl, etc.; R4 = independently (carbonyl)(oxy)alkyl, carboxy, OH, etc.; R5 = H, halo, CN, etc.; R10 = F or CH2F; R11, R12 = independently H or CH2F; Rx = absent or oxo; m = 0-2; n = 0-3; and pharmaceutically acceptable salts or stereoisomers thereof] were prepd. as mitotic kinesin inhibitors (no data). For example, I (R1 = R2 = Me, R3 = CH2OH, R4 = 2,4-F2, R5 = R10 = R12 = H, R11 = F, Rx = absent, n = 0) was given in a multi-step synthesis starting from .alpha.-allyl-.alpha.-phenylglycine Et ester. The title compds. and their pharmaceutical compns. are useful as mitotic kinesin inhibitors, esp. KSP kinesin inhibitors, for the treatment of cellular proliferative diseases and disorders assocd. with KSP kinesin activity, such as cancer in mammals (no data).

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:	2005:140806 CAPLUS
DOCUMENT NUMBER:	142:240324
TITLE:	A preparation of pyrrolecarboxamide derivatives, useful as mitotic kinesin inhibitors

INVENTOR(S): Coleman, Paul J.; Cox, Christopher D.; Garbaccio, Robert M.; Hartman, George D.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 52 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2005038074	A1	20050217	US 2004-916096		20040811
WO 2005019205	A1	20050303	WO 2004-US25980		20040811
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
BR 2004013580	A	20061017	BR 2004-13580		20040811
NO 2006001194	A	20060505	NO 2006-1194		20060314

PRIORITY APPLN. INFO.:

US 2003-495637P	P	20030815
US 2003-512680P	P	20031020
US 2004-563586P	P	20040419
WO 2004-US25980	W	20040811

OTHER SOURCE(S): CASREACT 142:240324; MARPAT 142:240324
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to a prepn. of pyrrolecarboxamide derivs. of formula I [wherein: R1 is H, alkyl, aryl, or heterocyclyl, etc.; R2 is 4-piperidinyl deriv.; R3 is H, alkyl, alkdiyl-OH, alkdiyl-O-alkyl, or alk(en/yn)diyl-C(O)-NH2, etc.; R4 is CO2H, halogen, CN, or OH, etc.; R5 is H, CO2H, CN, halogen, or OP(:O)(OH)2, etc.], useful for treating cellular proliferative diseases, for treating disorders assocd. with KSP kinesin activity, and for inhibiting KSP kinesin. The invention is also related to compns. which comprise these compds., and methods of using them to treat cancer in mammals. For instance, pyrrolecarboxamide deriv. II (kinesin ATPase in vitro assay: IC50 < 50 .mu.M) was prepd. via amidation of carbamoyl chloride III by amine IV (conversion of III to the product was >98%).

L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:368866 CAPLUS
DOCUMENT NUMBER: 140:391193
TITLE: Preparation of dihydropyrroles as mitotic kinesin inhibitors for treating cellular proliferative diseases
INVENTOR(S): Breslin, Michael J.; Coleman, Paul J.; Cox, Christopher D.; Hartman, George D.; Mariano, Brenda J.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 178 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent

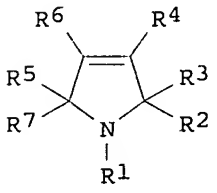
Current app.

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004037171	A2	20040506	WO 2003-US32405	20031014
WO 2004037171	A3	20040708		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2500848	AA	20040506	CA 2003-2500848	20031014
AU 2003287057	A1	20040513	AU 2003-287057	20031014
EP 1556052	A2	20050727	EP 2003-777578	20031014
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006506456	T2	20060223	JP 2005-501618	20031014
US 2006100191	A1	20060511	US 2005-531495	20050415

PRIORITY APPLN. INFO.:	US 2002-419570P	P	20021018
	US 2003-479712P	P	20030619
	WO 2003-US32405	W	20031014

OTHER SOURCE(S): MARPAT 140:391193
GI



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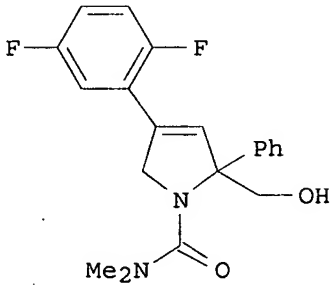


II

AB Title compds. I [wherein R1 = (un)substituted acyl(alkyl), carbamoyl(alkyl), sulfamoyl(alkyl), aryl, heterocyclyl, alkyl, etc.; R2 and R6 = independently (un)substituted aryl(alkyl), cycloalkyl, or heterocyclyl; R3 = (un)substituted alkoxyalk(en/yn)yl, carbamoylalk(en/yn)yl, alkylsulfonylalk(en/yn)yl, etc.; R4, R5, and R7 = independently H or (un)substituted (cyclo)alkyl, alkenyl, alkynyl, perfluoroalkyl, arylalkyl, or heterocyclyl; or R5 and R7 are combined to form an oxo or sulfoxo; or pharmaceutically acceptable salt of stereoisomer thereof] were prepd. for treating cellular proliferative diseases, for treating disorders assocd. with KSP kinesin activity, and for inhibiting KSP kinesin. The invention is also related to compns. which comprise these compds., and methods of using them to treat cancer (no data). For instance, palladium catalyzed Suzuki coupling of 7a-phenyldihydro-1H-pyrrolo[1,2-c][1,3]oxazole-3,6(5H)-dione (multi-step prepn. given) and 2,5-difluorophenylboronic acid afforded 6-(2,5-difluorophenyl)-7a-phenyl-5,7a-dihydro-1H-pyrrolo[1,2-c][1,3]oxazol-3-one. The pyrrolooxazolone was treated with NaOH in EtOH to give the (hydroxymethyl)pyrrole, which was O-protected with tert-butyldimethylsilyl chloride. Reaction of the pyrrole with triphosgene and dimethylamine,

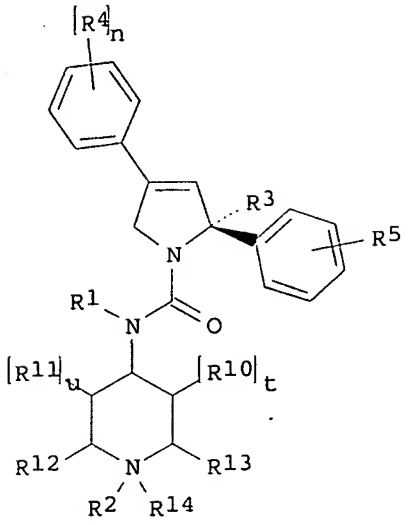
followed by deprotection using triethylamine trihydrofluoride in MeCN provided II. In a kinesin ATPase assay using a human KSP motor domain construct and microtubules from bovine brain tubulin, example compds. inhibited the ATPase hydrolysis reaction with IC50 .ltoreq. 50 .mu.M.

=> d ibib abs hitstr 3,6

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:182653 CAPLUS
DOCUMENT NUMBER: 142:280064
TITLE: Preparation of dihydropyrrolecarboxamides as mitotic kinesin inhibitors for treating cancer
INVENTOR(S): Coleman, Paul J.; Cox, Christopher D.; Garbaccio, Robert M.; Hartman, George D.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 187 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2005019206	A1	20050303	WO 2004-US26012		20040811
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
US 2005043357	A1	20050224	US 2004-915743		20040811
AU 2004266232	A1	20050303	AU 2004-266232		20040811
CA 2534065	AA	20050303	CA 2004-2534065		20040811
EP 1664026	A1	20060607	EP 2004-780791		20040811
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR					
CN 1839128	A	20060927	CN 2004-80023309		20040811
BR 2004013580	A	20061017	BR 2004-13580		20040811
US 2006234984	A1	20061019	US 2006-567676		20060209
NO 2006001194	A	20060505	NO 2006-1194		20060314
PRIORITY APPLN. INFO.:			US 2003-495637P	P	20030815
			US 2004-563580P	P	20040419
			US 2003-512680P	P	20031020
			US 2004-563586P	P	20040419
			WO 2004-US25980	W	20040811
			WO 2004-US26012	W	20040811

OTHER SOURCE(S): MARPAT 142:280064
GI



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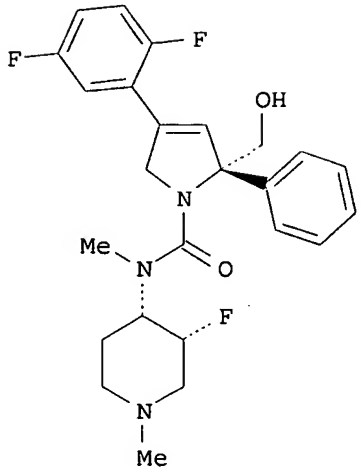


II

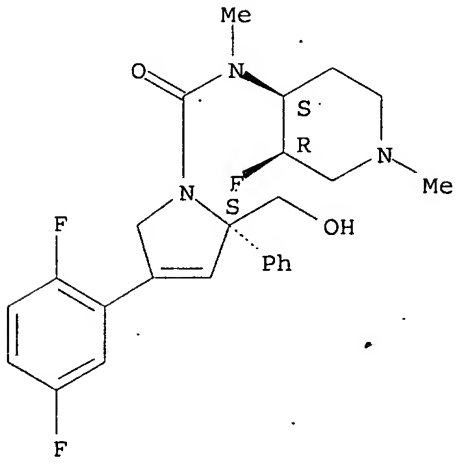
AB The present invention relates to dihydropyrrole compds. I [R1, R2 = H, alkyl, aryl, etc.; R3 = H, alkyl, CH2OH, etc.; R4 = CO2H, halo, CN, etc.; R5 = H, halo, CN, etc.; R10, R11 = F, CH2F; R12, R13 = H, CH2F; R14 = absent, oxo; n = 0-3; t = 0-2; u = 0-1] that are useful for treating cellular proliferative diseases, for treating disorders assocd. with KSP kinesin activity, and for inhibiting KSP kinesin. E.g., a multi-step synthesis of II, which showed an IC50 of .ltoreq. 50 .mu.M in kinesin ATPase in vitro assay, was given. The invention is also related to compns. which comprise these compds. I, and methods of using them to treat cancer in mammals.

IT 845256-65-7P
RL: PAC (Pharmacological activity); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepn. of dihydropyrrolecarboxamides as mitotic kinesin inhibitors for treating or preventing cancer)

RN 845256-65-7 CAPLUS

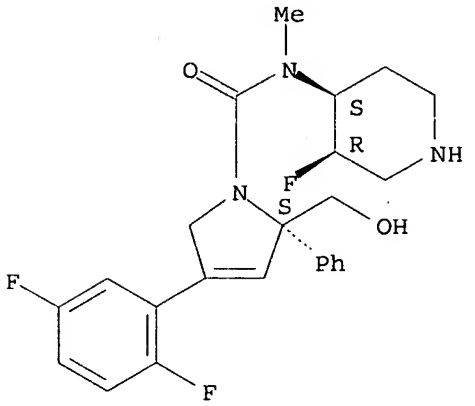
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3R,4S)-3-fluoro-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 845256-78-2P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepn. of dihydropyrrolecarboxamides as mitotic kinesin inhibitors for treating or preventing cancer)
RN 845256-78-2 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3R,4S)-3-fluoro-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 845256-66-8P 845256-67-9P 845256-69-1P
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845256-82-8P 845256-83-9P 845256-84-0P
845256-87-3P 847041-29-6P 847041-35-4P
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847041-39-8P 847041-40-1P 847041-41-2P
847041-42-3P 847041-43-4P 847041-44-5P
847041-45-6P 847041-46-7P 847041-47-8P
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847041-89-8P 847041-90-1P 847041-91-2P
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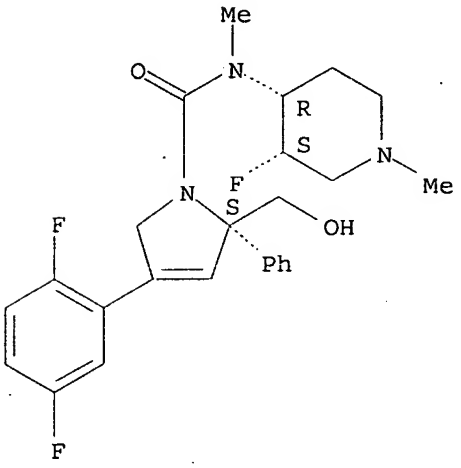
847042-42-6P 847042-43-7P 847042-44-8P
847042-45-9P 847042-46-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of dihydropyrrolecarboxamides as mitotic kinesin inhibitors for

treating or preventing cancer)

RN 845256-66-8 CAPLUS

CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3S,4R)-3-fluoro-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

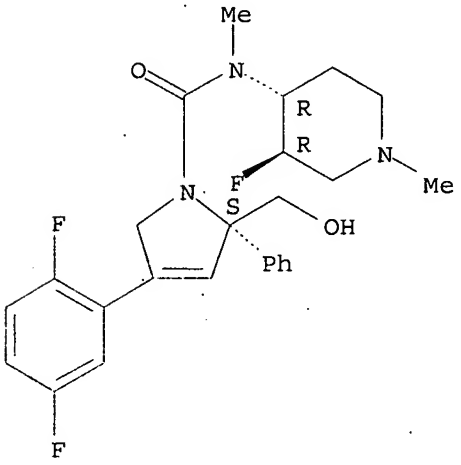
Absolute stereochemistry.



RN 845256-67-9 CAPLUS

CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3R,4R)-3-fluoro-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

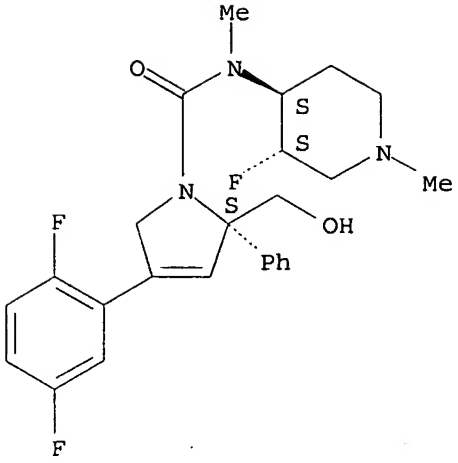
Absolute stereochemistry.



RN 845256-69-1 CAPLUS

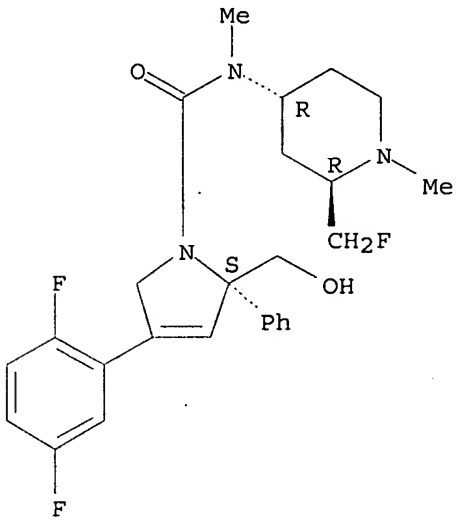
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3S,4S)-3-fluoro-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



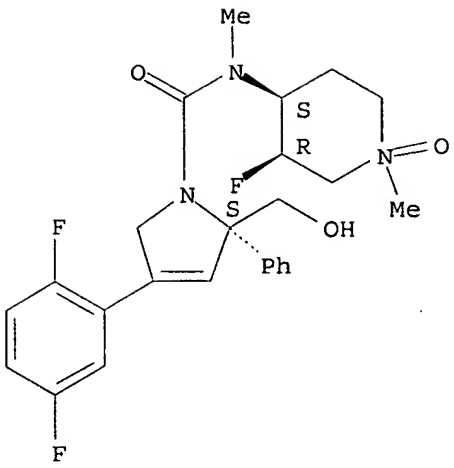
RN 845256-76-0 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(2R,4R)-2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



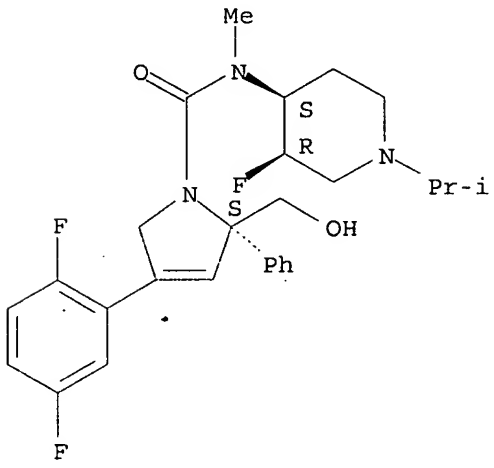
RN 845256-77-1 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3R,4S)-3-fluoro-1-methyl-1-oxido-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



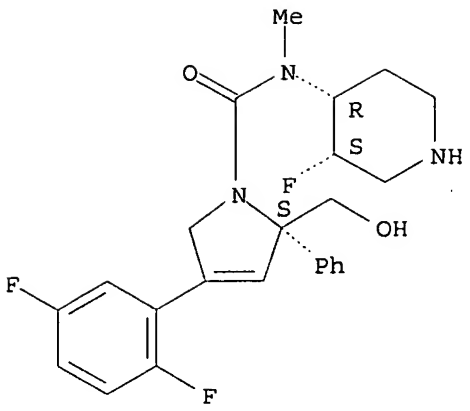
RN 845256-81-7 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3R,4S)-3-fluoro-1-(1-methylethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



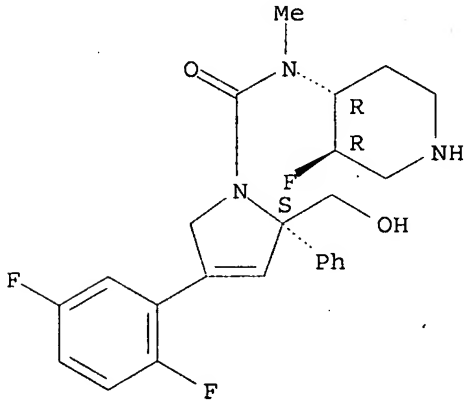
RN 845256-82-8 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3S,4R)-3-fluoro-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



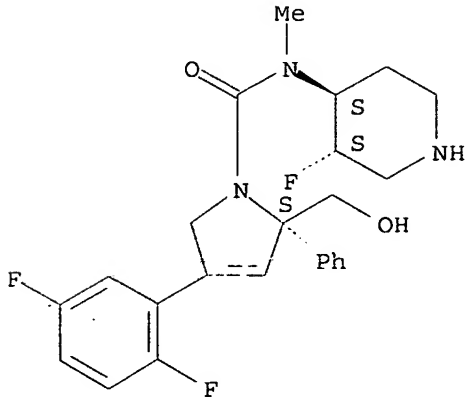
RN 845256-83-9 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3R,4R)-3-fluoro-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



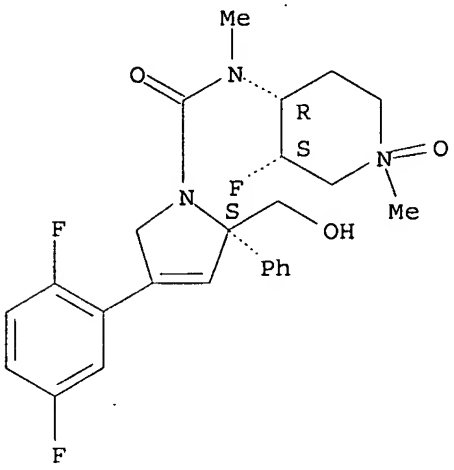
RN 845256-84-0 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3S,4S)-3-fluoro-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



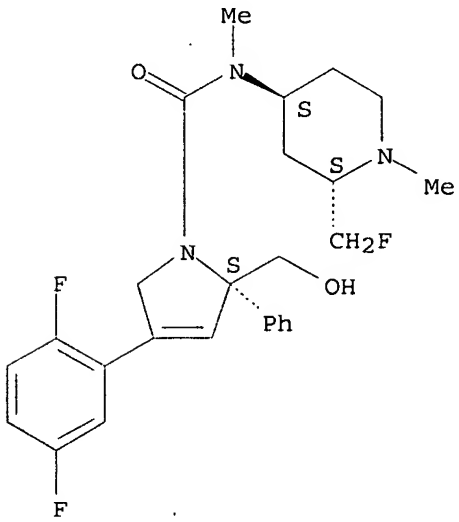
RN 845256-87-3 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3S,4R)-3-fluoro-1-methyl-1-oxido-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



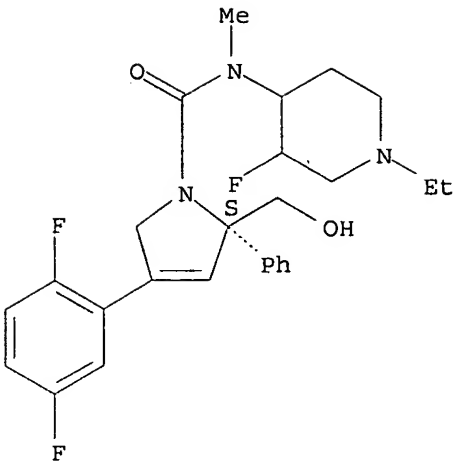
RN 847041-29-6 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(2S,4S)-2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



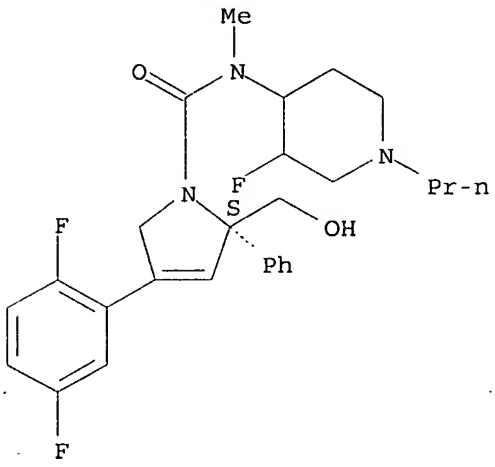
RN 847041-35-4 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-(1-ethyl-3-fluoro-4-piperidinyl)-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



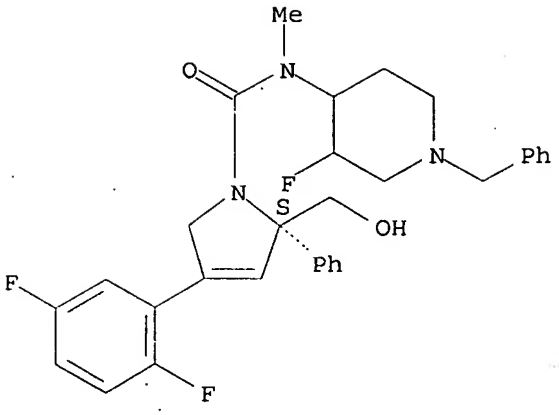
RN 847041-36-5 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-(3-fluoro-1-propyl-4-piperidinyl)-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



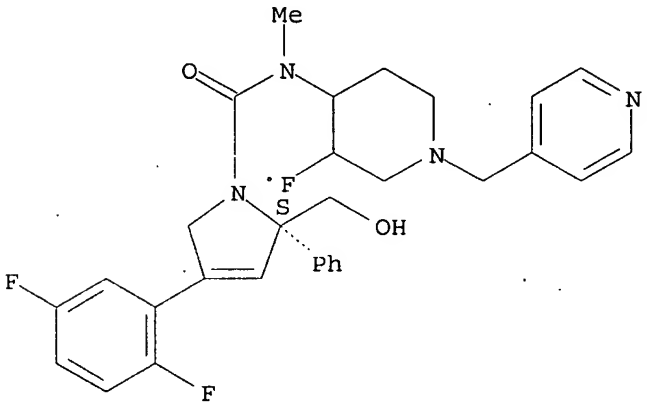
RN 847041-37-6 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[3-fluoro-1-(phenylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



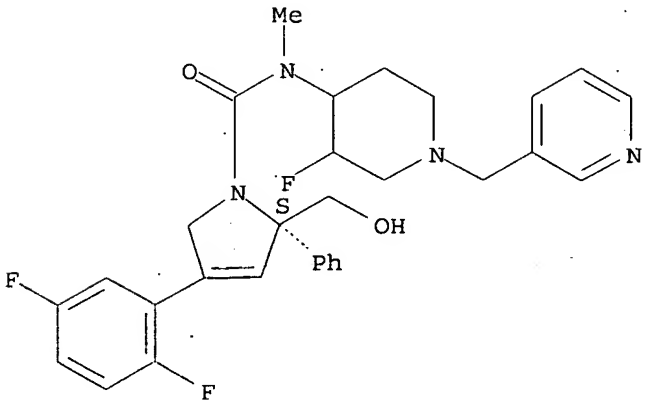
RN 847041-38-7 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[3-fluoro-1-(4-pyridinylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



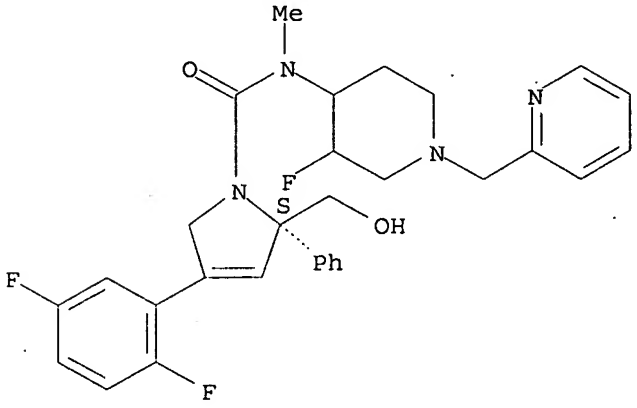
RN 847041-39-8 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[3-fluoro-1-(3-pyridinylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



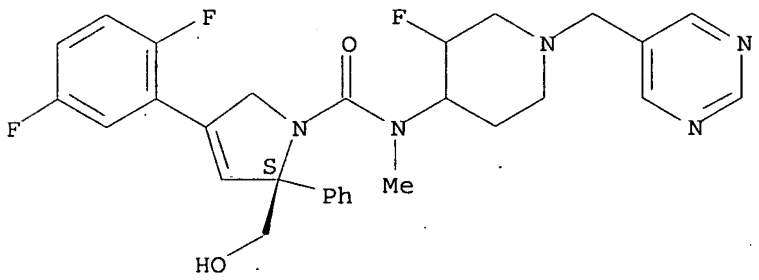
RN 847041-40-1 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[3-fluoro-1-(2-pyridinylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



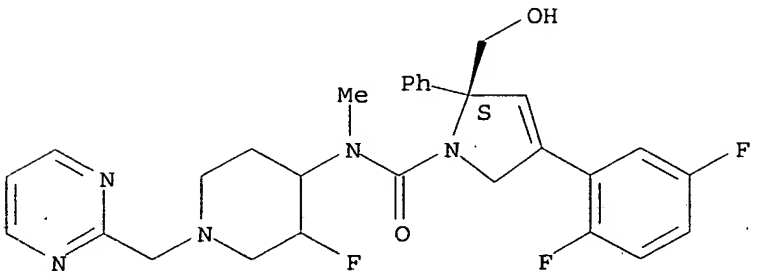
RN 847041-41-2 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[3-fluoro-1-(5-pyrimidinylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 847041-42-3 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[3-fluoro-1-(2-pyrimidinylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

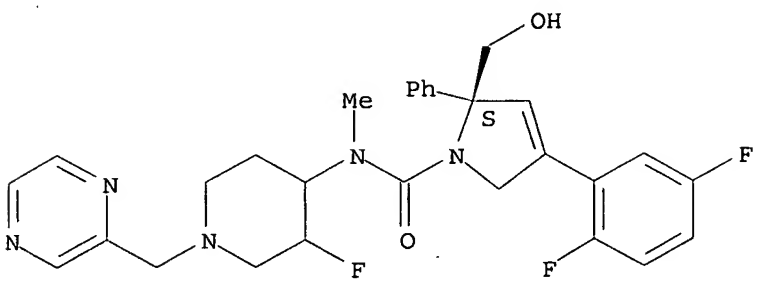
Absolute stereochemistry.



RN 847041-43-4 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[3-fluoro-1-

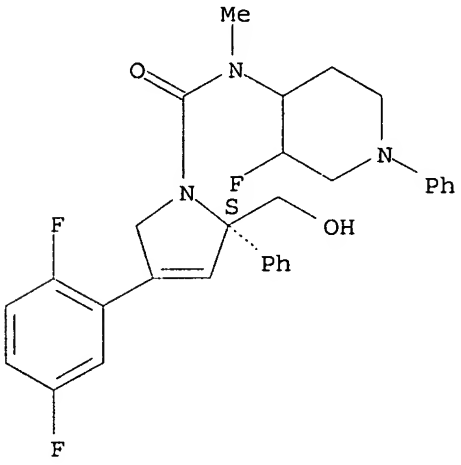
(pyrazinylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



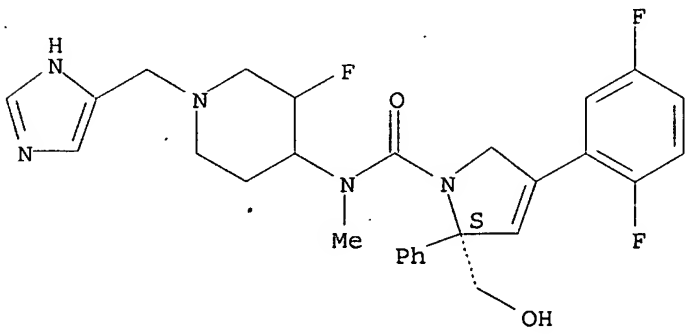
RN 847041-44-5 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-(3-fluoro-1-phenyl-4-piperidinyl)-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 847041-45-6 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[3-fluoro-1-(1H-imidazol-4-ylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

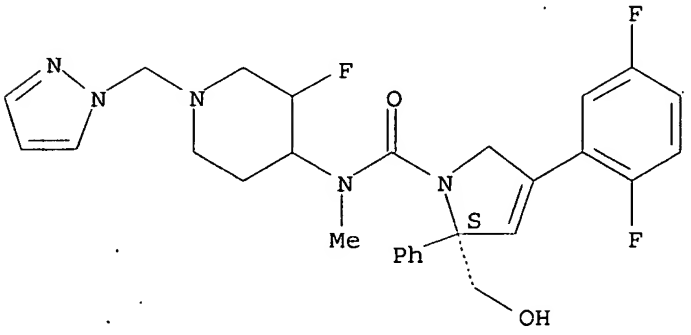
Absolute stereochemistry.



RN 847041-46-7 CAPLUS

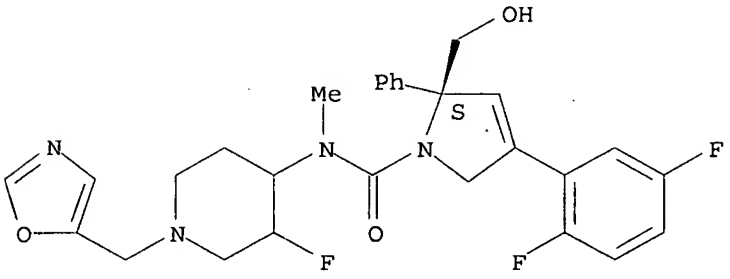
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[3-fluoro-1-(1H-pyrazol-1-ylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



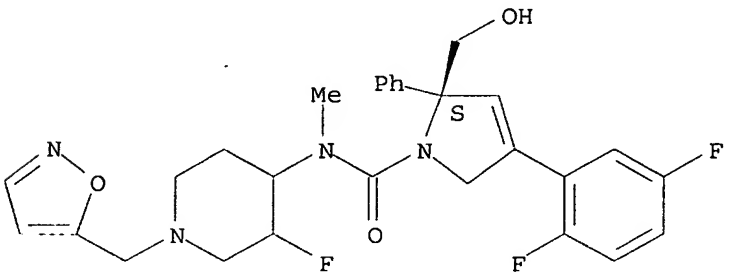
RN 847041-47-8 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[3-fluoro-1-(5-oxazolylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



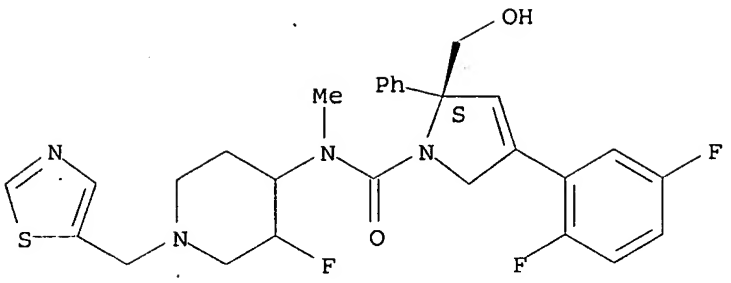
RN 847041-48-9 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[3-fluoro-1-(5-isoxazolylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



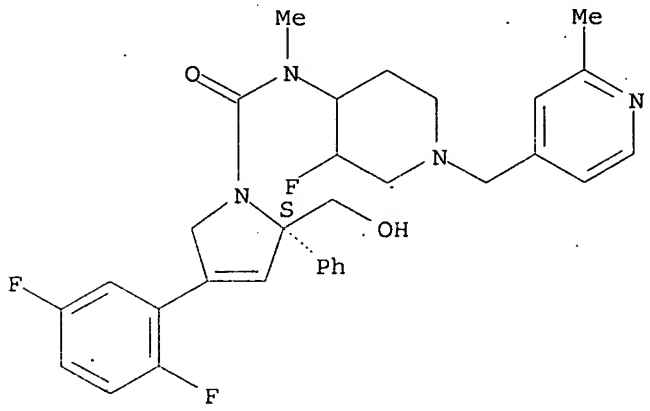
RN 847041-49-0 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[3-fluoro-1-(5-thiazolylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



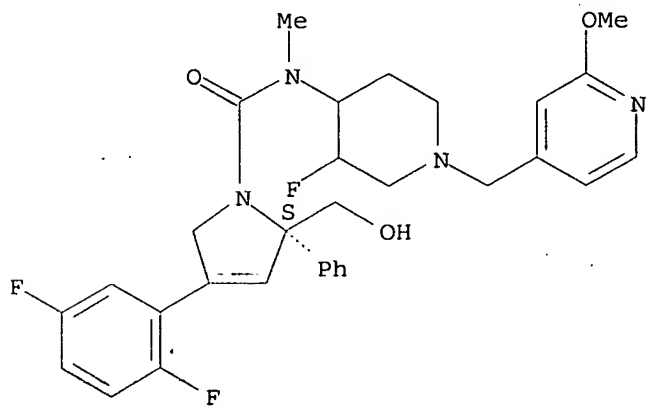
RN 847041-50-3 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[3-fluoro-1-[(2-methyl-4-pyridinyl)methyl]-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 847041-51-4 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[3-fluoro-1-[(2-methoxy-4-pyridinyl)methyl]-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

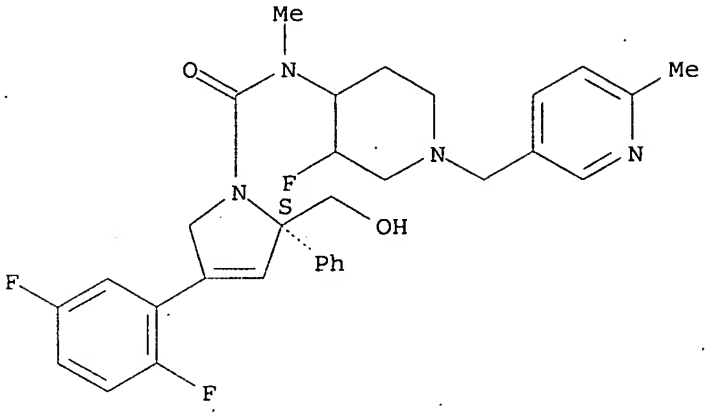
Absolute stereochemistry.



RN 847041-52-5 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[3-fluoro-1-[(6-methyl-3-pyridinyl)methyl]-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-

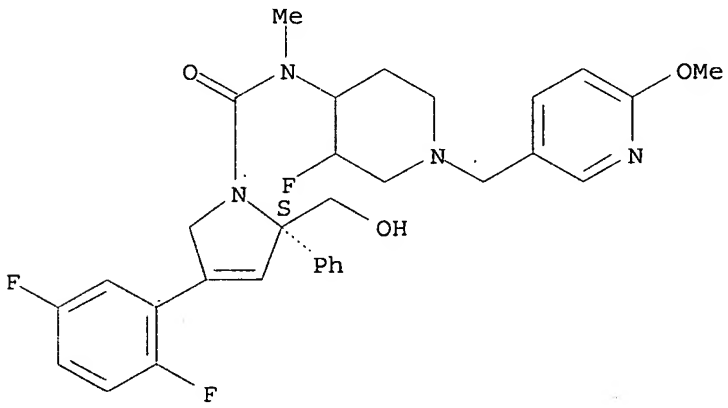
2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



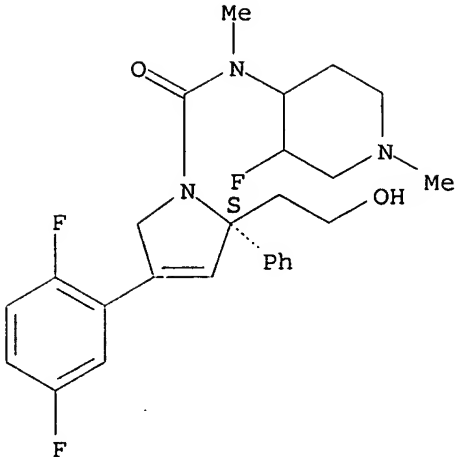
RN 847041-53-6 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[3-fluoro-1-[(6-methoxy-3-pyridinyl)methyl]-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



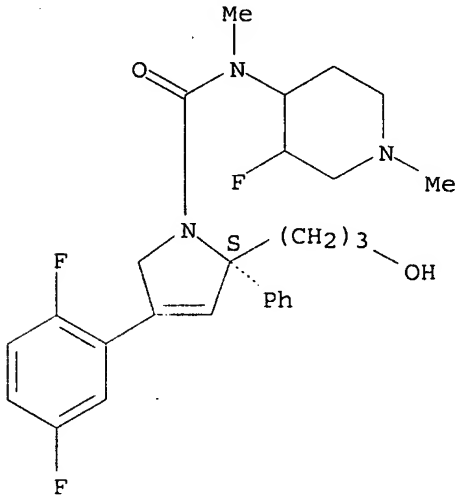
RN 847041-56-9 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-(3-fluoro-1-methyl-4-piperidinyl)-2,5-dihydro-2-(2-hydroxyethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



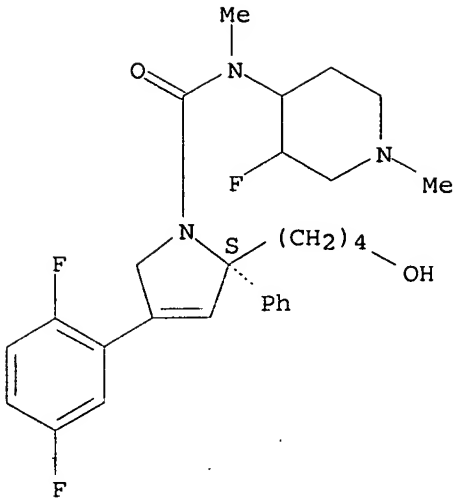
RN 847041-57-0 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-(3-fluoro-1-methyl-4-piperidinyl)-2,5-dihydro-2-(3-hydroxypropyl)-N-methyl-2-phenyl-, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



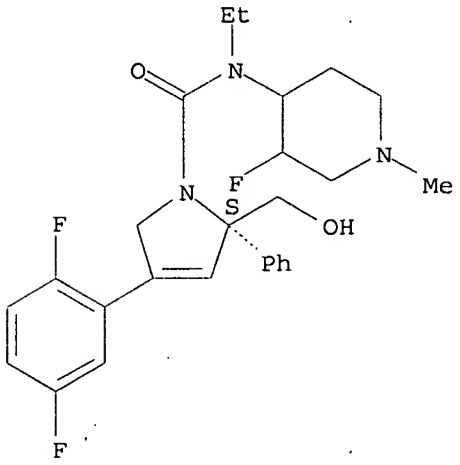
RN 847041-59-2 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-(3-fluoro-1-methyl-4-piperidinyl)-2,5-dihydro-2-(4-hydroxybutyl)-N-methyl-2-phenyl-, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



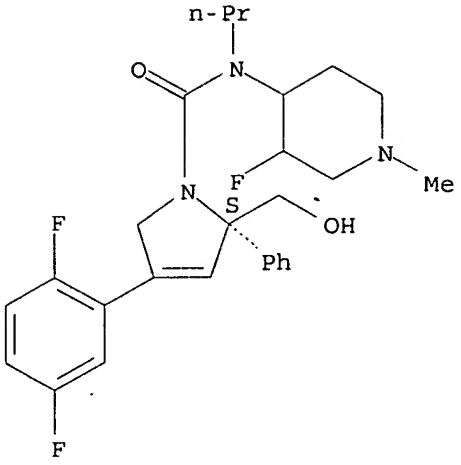
RN 847041-71-8 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-ethyl-N-(3-fluoro-1-methyl-4-piperidinyl)-2,5-dihydro-2-(hydroxymethyl)-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



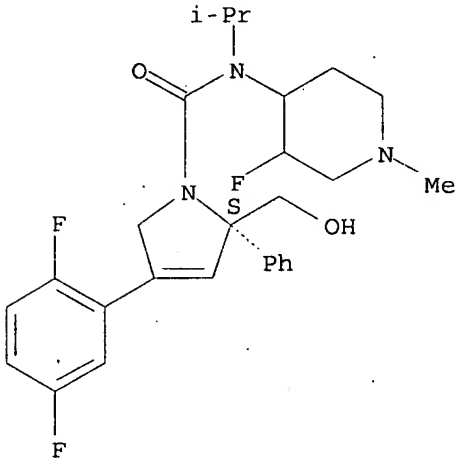
RN 847041-72-9 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-(3-fluoro-1-methyl-4-piperidinyl)-2,5-dihydro-2-(hydroxymethyl)-2-phenyl-N-propyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



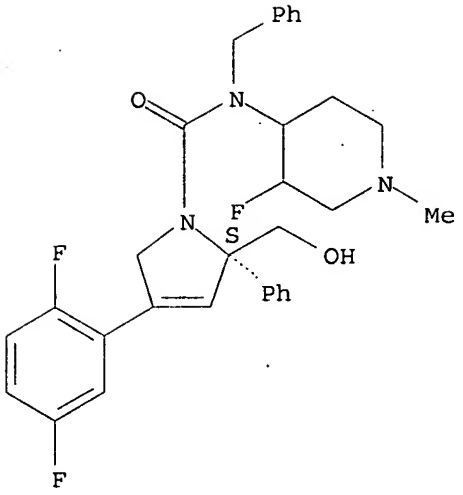
RN 847041-73-0 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-(3-fluoro-1-methyl-4-piperidinyl)-2,5-dihydro-2-(hydroxymethyl)-N-(1-methylethyl)-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



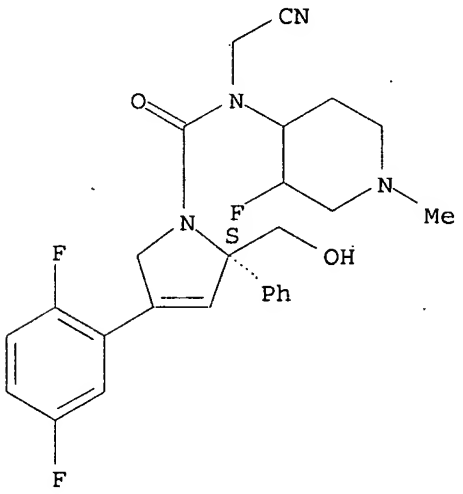
RN 847041-76-3 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-(3-fluoro-1-methyl-4-piperidinyl)-2,5-dihydro-2-(hydroxymethyl)-2-phenyl-N-(phenylmethyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



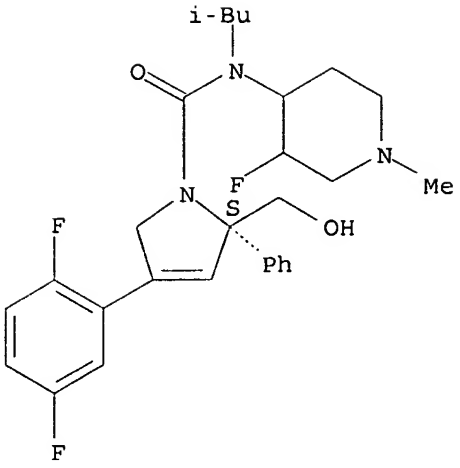
RN 847041-78-5 CAPLUS
CN 1H-Pyrrole-1-carboxamide, N-(cyanomethyl)-4-(2,5-difluorophenyl)-N-(3-fluoro-1-methyl-4-piperidinyl)-2,5-dihydro-2-(hydroxymethyl)-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



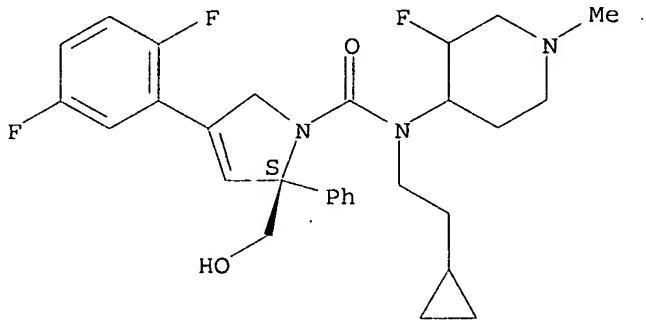
RN 847041-79-6 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-(3-fluoro-1-methyl-4-piperidinyl)-2,5-dihydro-2-(hydroxymethyl)-N-(2-methylpropyl)-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



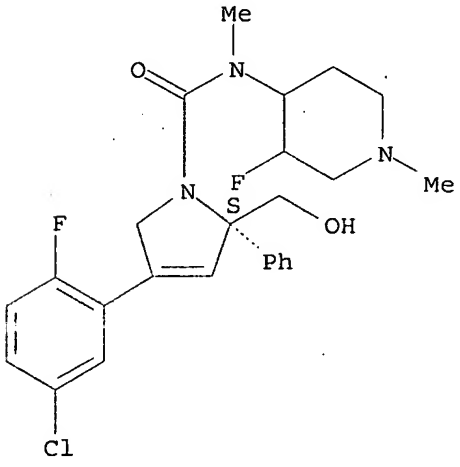
RN 847041-80-9 CAPLUS
CN 1H-Pyrrole-1-carboxamide, N-(2-cyclopropylethyl)-4-(2,5-difluorophenyl)-N-(3-fluoro-1-methyl-4-piperidinyl)-2,5-dihydro-2-(hydroxymethyl)-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



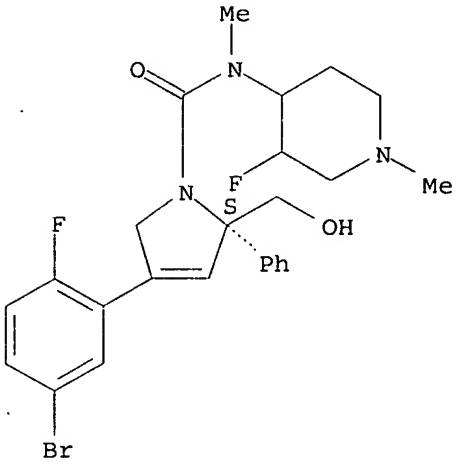
RN 847041-81-0 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(5-chloro-2-fluorophenyl)-N-(3-fluoro-1-methyl-4-piperidinyl)-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



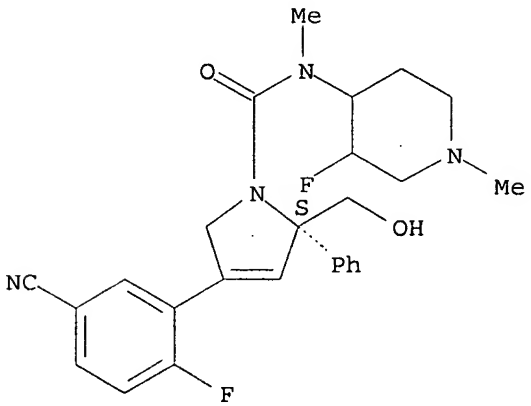
RN 847041-82-1 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(5-bromo-2-fluorophenyl)-N-(3-fluoro-1-methyl-4-piperidinyl)-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



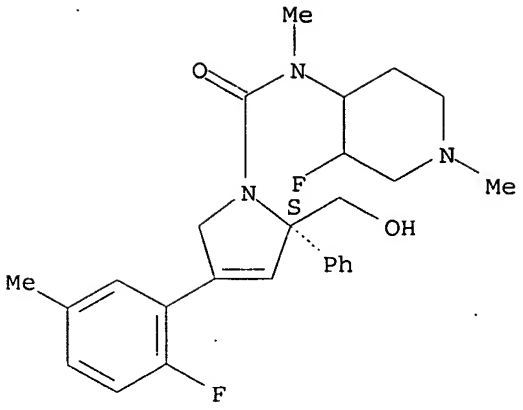
RN 847041-83-2 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(5-cyano-2-fluorophenyl)-N-(3-fluoro-1-methyl-4-piperidinyl)-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



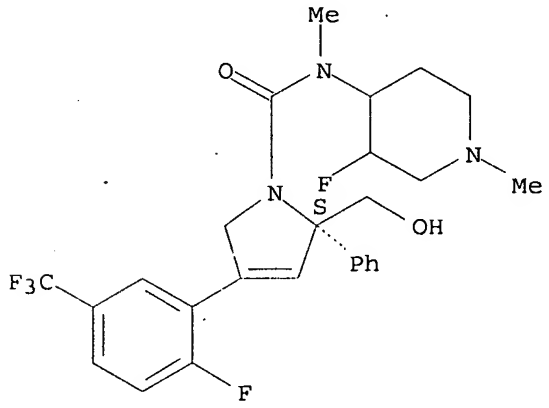
RN 847041-84-3 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2-fluoro-5-methylphenyl)-N-(3-fluoro-1-methyl-4-piperidinyl)-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



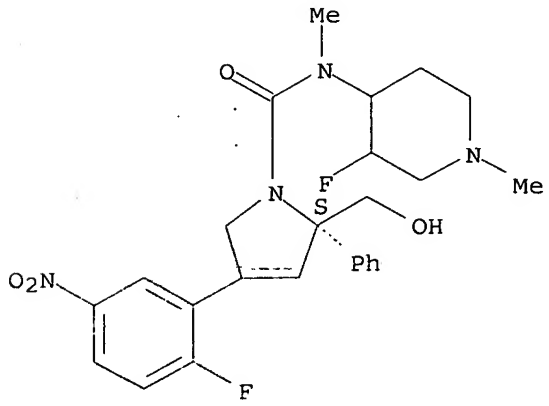
RN 847041-85-4 CAPLUS
CN 1H-Pyrrole-1-carboxamide, N-(3-fluoro-1-methyl-4-piperidinyl)-4-[2-fluoro-5-(trifluoromethyl)phenyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



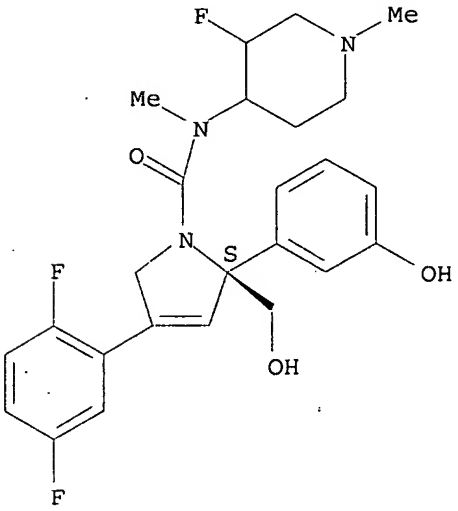
RN 847041-86-5 CAPLUS
CN 1H-Pyrrole-1-carboxamide, N-(3-fluoro-1-methyl-4-piperidinyl)-4-(2-fluoro-5-nitrophenyl)-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



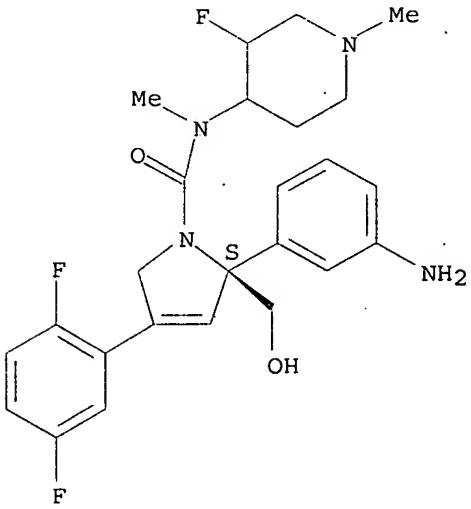
RN 847041-87-6 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-(3-fluoro-1-methyl-4-piperidinyl)-2,5-dihydro-2-(hydroxymethyl)-2-(3-hydroxyphenyl)-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



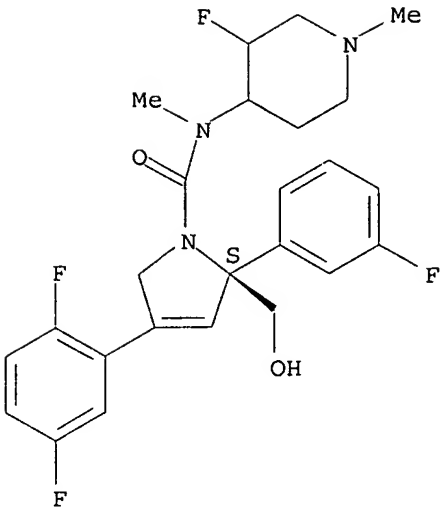
RN 847041-88-7 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 2-(3-aminophenyl)-4-(2,5-difluorophenyl)-N-(3-fluoro-1-methyl-4-piperidinyl)-2,5-dihydro-2-(hydroxymethyl)-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



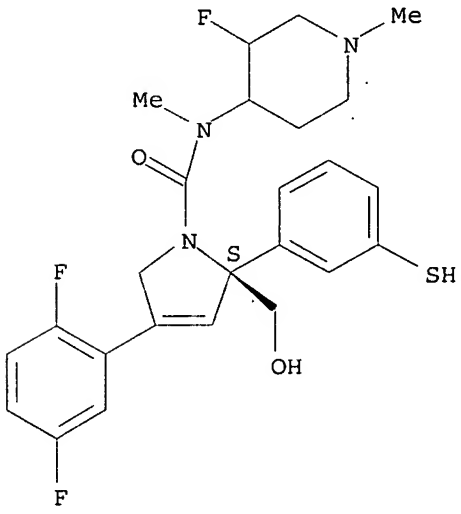
RN 847041-89-8 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-(3-fluoro-1-methyl-4-piperidinyl)-2-(3-fluorophenyl)-2,5-dihydro-2-(hydroxymethyl)-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



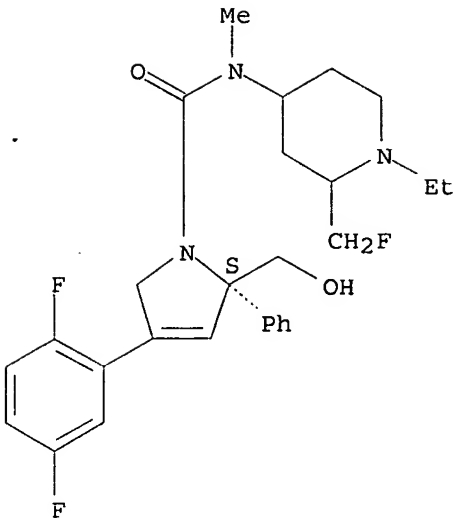
RN 847041-90-1 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-(3-fluoro-1-methyl-4-piperidinyl)-2,5-dihydro-2-(hydroxymethyl)-2-(3-mercaptophenyl)-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



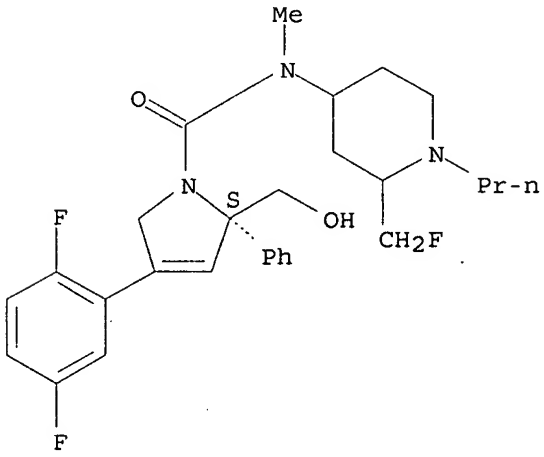
RN 847041-91-2 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[1-ethyl-2-(fluoromethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



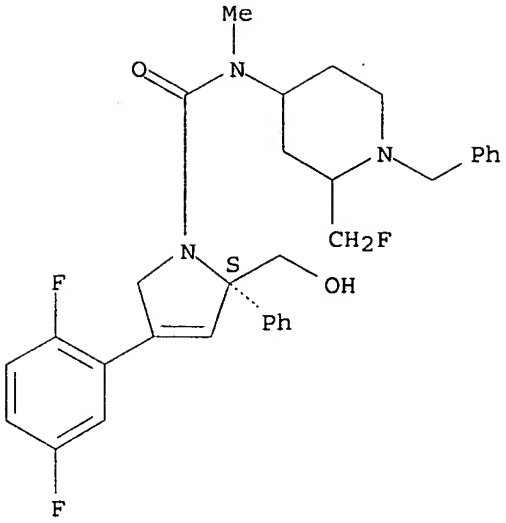
RN 847041-92-3 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-propyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



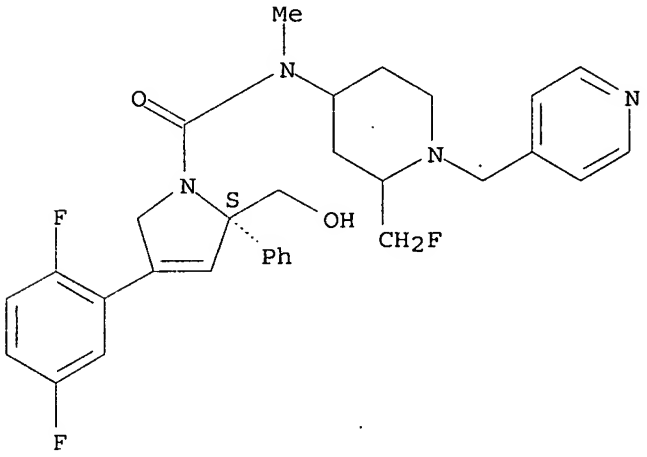
RN 847041-93-4 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-(phenylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



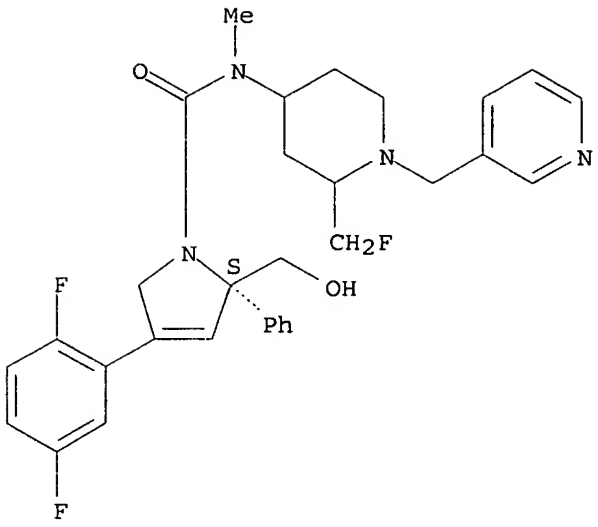
RN 847041-94-5 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-(4-pyridinylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



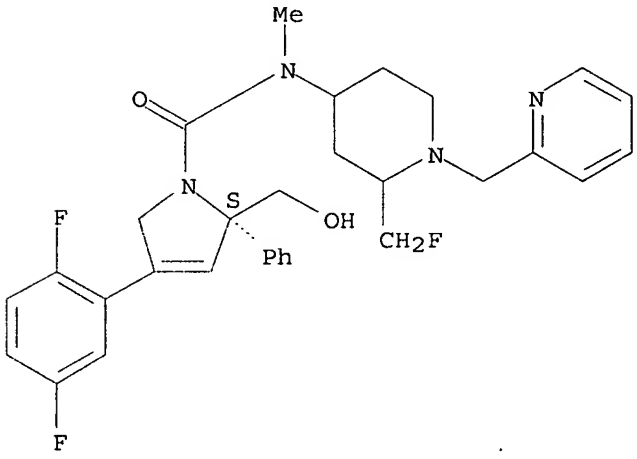
RN 847041-95-6 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-(3-pyridinylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



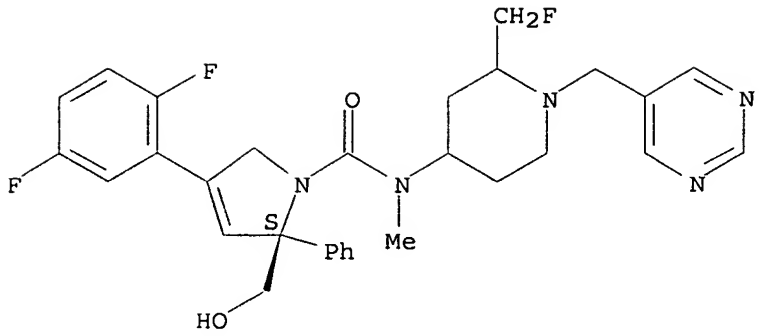
RN 847041-96-7 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-(2-pyridinylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



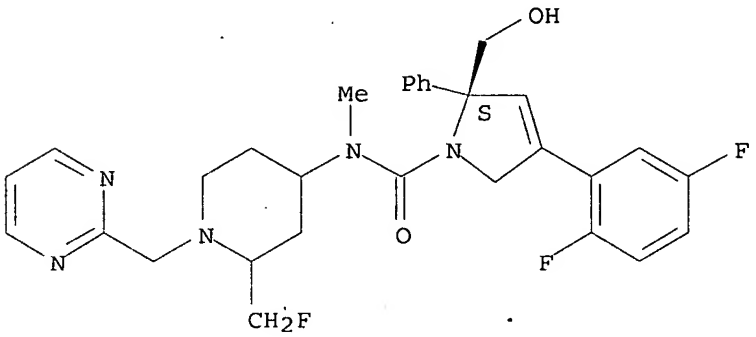
RN 847041-97-8 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-(5-pyrimidinylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



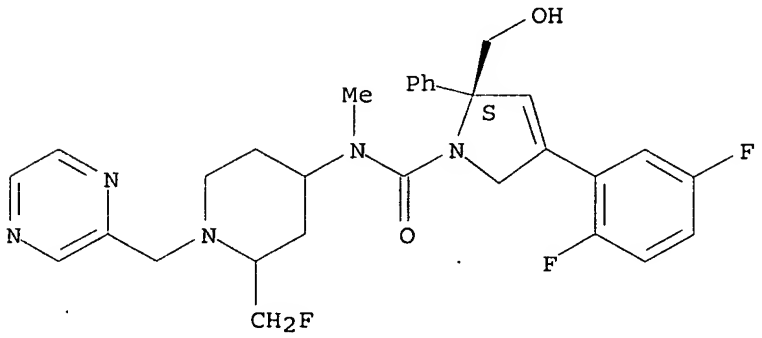
RN 847041-98-9 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-(2-pyrimidinylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



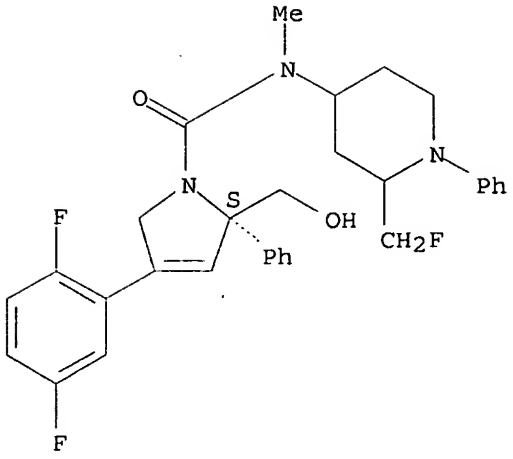
RN 847041-99-0 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-(pyrazinylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



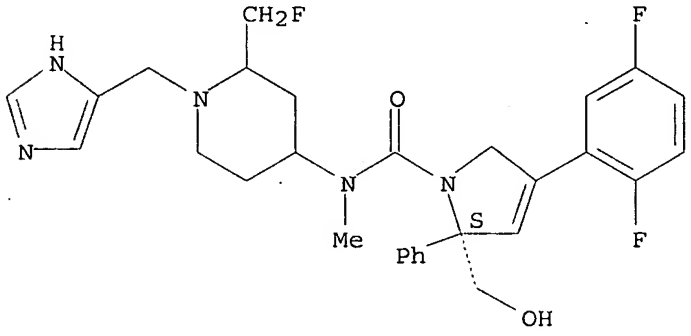
RN 847042-00-6 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-phenyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



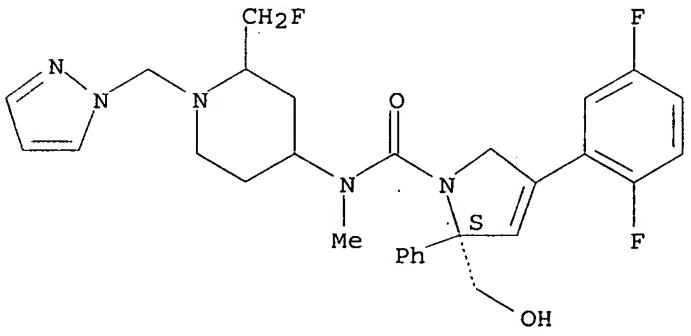
RN 847042-01-7 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-(1H-imidazol-4-ylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



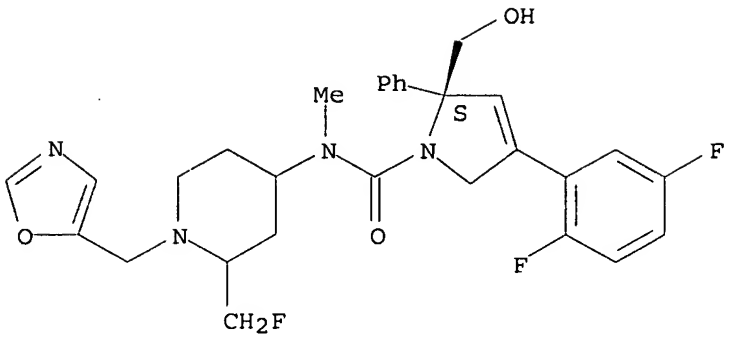
RN 847042-02-8 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-(1H-pyrazol-1-ylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



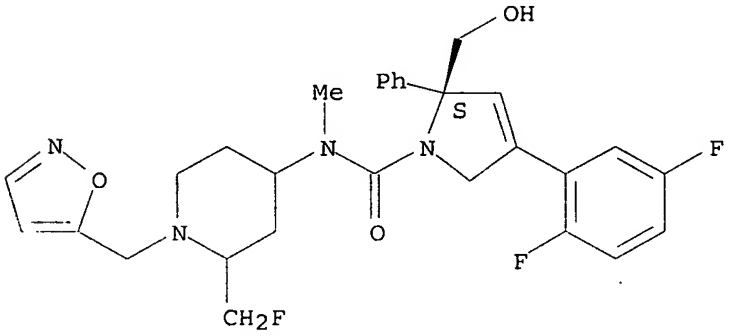
RN 847042-03-9 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-(5-oxazolylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



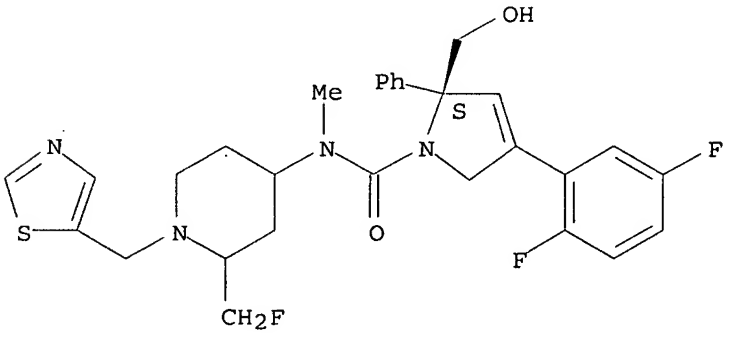
RN 847042-04-0 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-(5-isoxazolylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



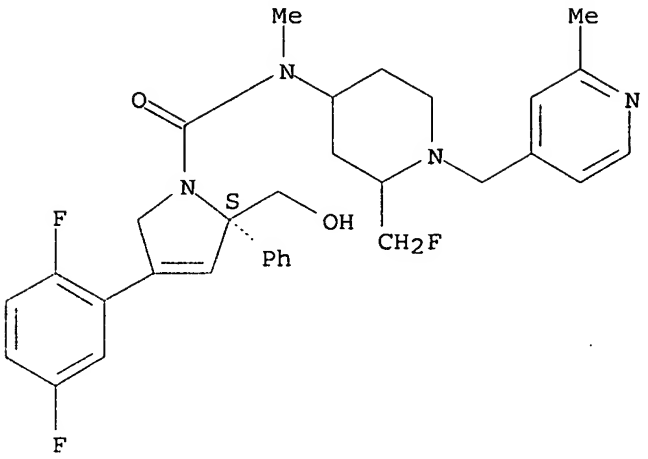
RN 847042-05-1 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-(5-thiazolylmethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



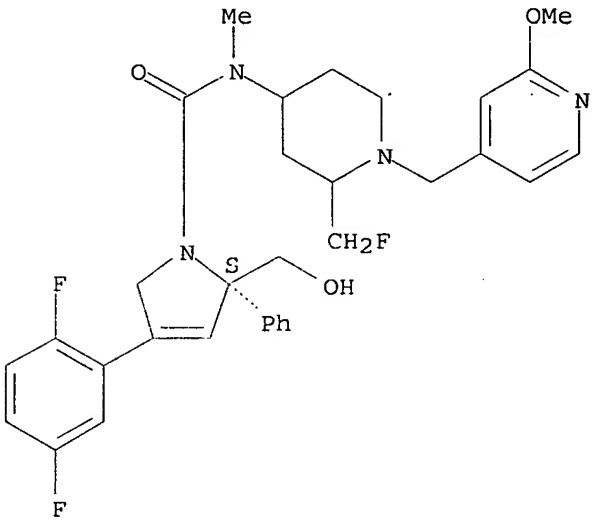
RN 847042-06-2 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-[(2-methyl-4-pyridinyl)methyl]-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



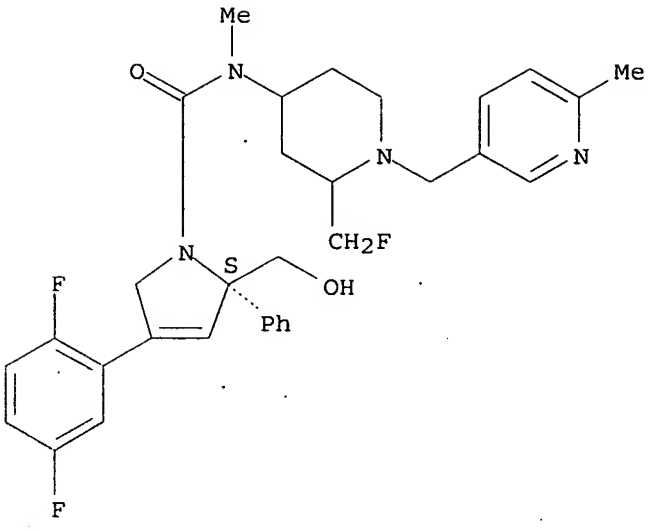
RN 847042-07-3 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-[(2-methoxy-4-pyridinyl)methyl]-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



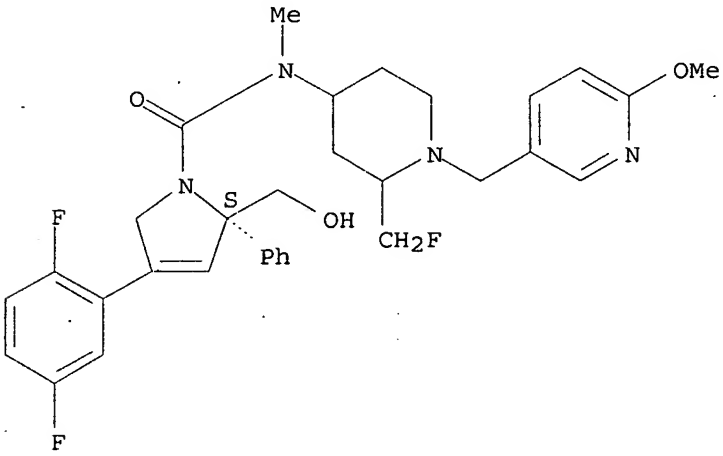
RN 847042-08-4 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-[(6-methyl-3-pyridinyl)methyl]-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



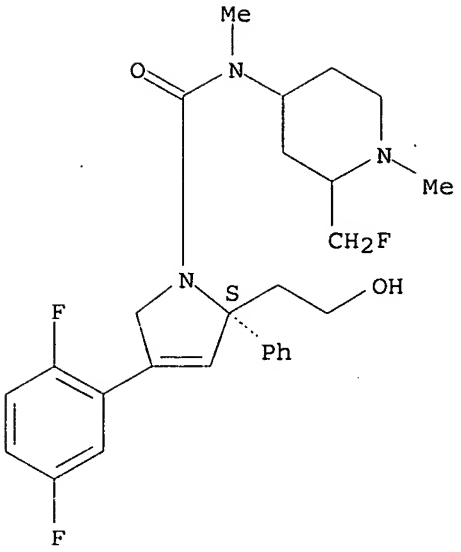
RN 847042-09-5 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-[(6-methoxy-3-pyridinyl)methyl]-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



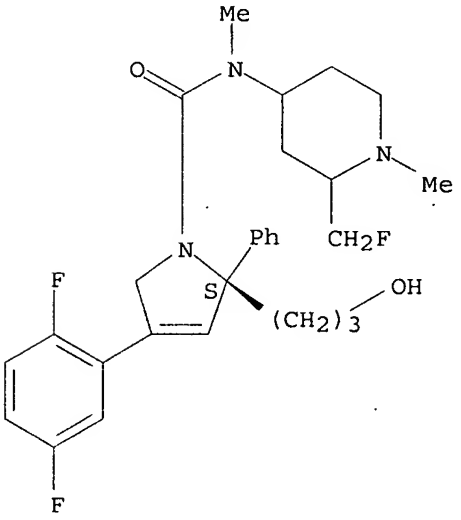
RN 847042-12-0 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(2-hydroxyethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



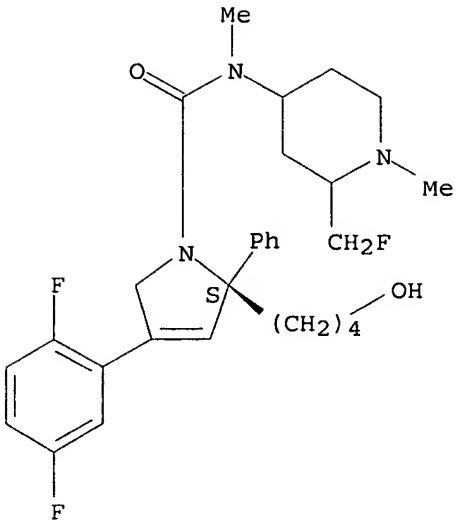
RN 847042-13-1 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(3-hydroxypropyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



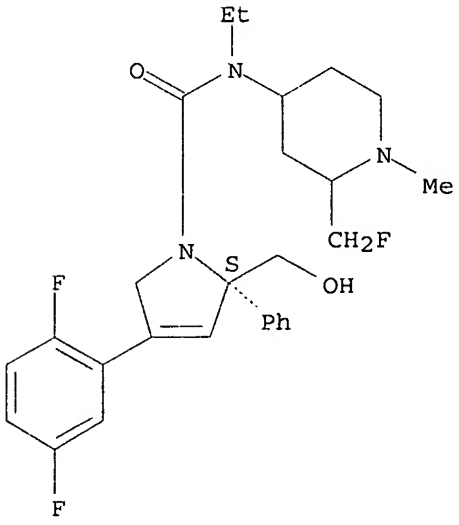
RN 847042-15-3 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(4-hydroxybutyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



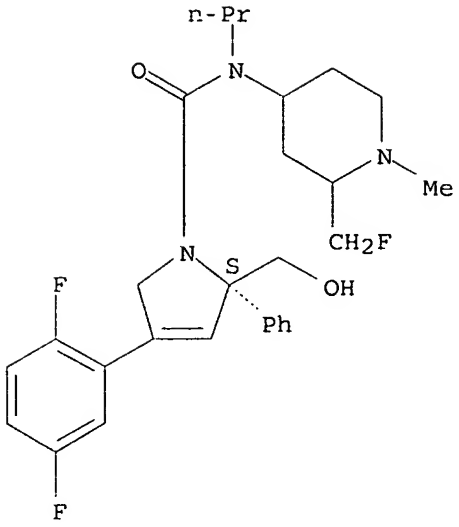
RN 847042-27-7 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-ethyl-N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



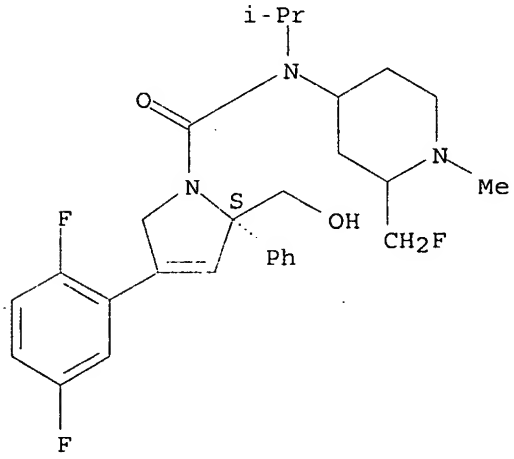
RN 847042-28-8 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-2-phenyl-N-propyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



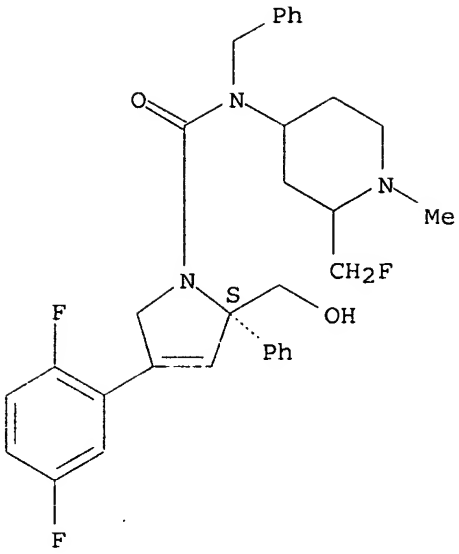
RN 847042-29-9 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-(1-methylethyl)-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



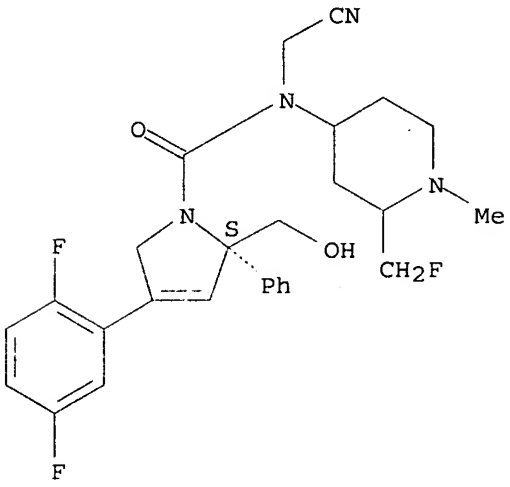
RN 847042-32-4 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-2-phenyl-N-(phenylmethyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



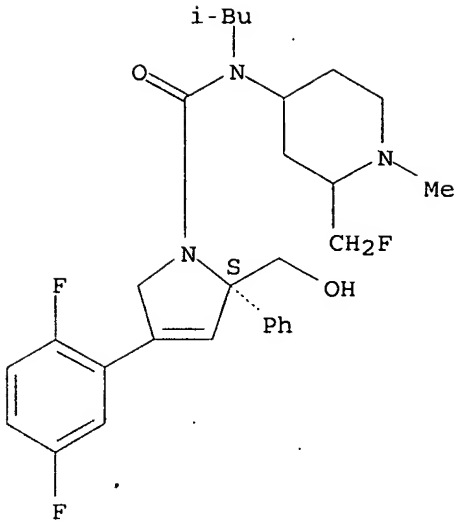
RN 847042-34-6 CAPLUS
CN 1H-Pyrrole-1-carboxamide, N-(cyanomethyl)-4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



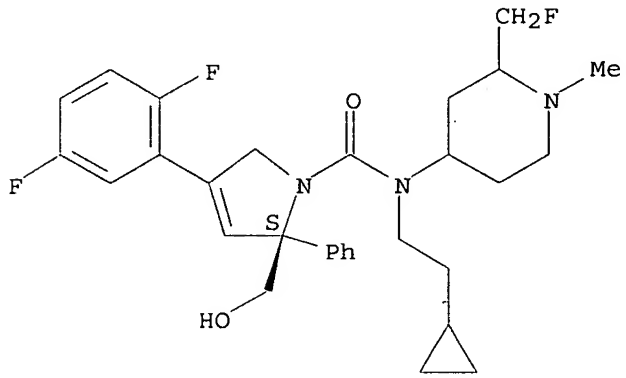
RN 847042-35-7 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-(2-methylpropyl)-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



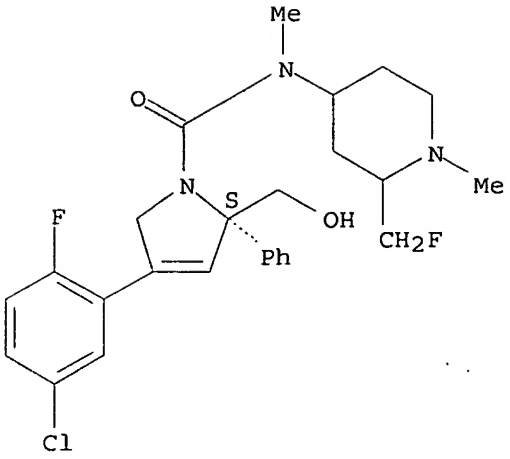
RN 847042-36-8 CAPLUS
CN 1H-Pyrrole-1-carboxamide, N-(2-cyclopropylethyl)-4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



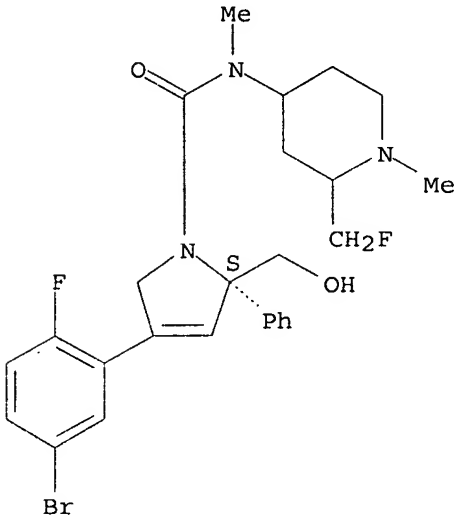
RN 847042-37-9 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(5-chloro-2-fluorophenyl)-N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



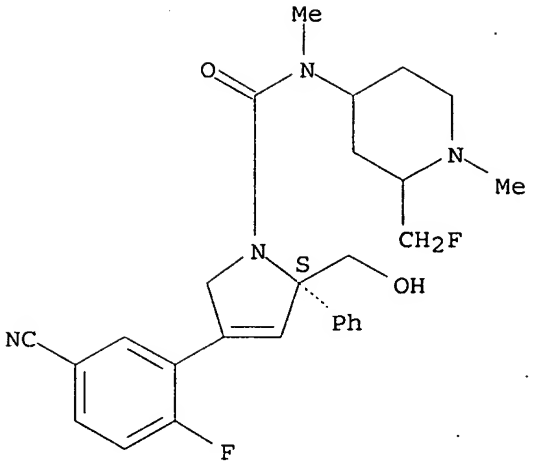
RN 847042-38-0 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(5-bromo-2-fluorophenyl)-N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



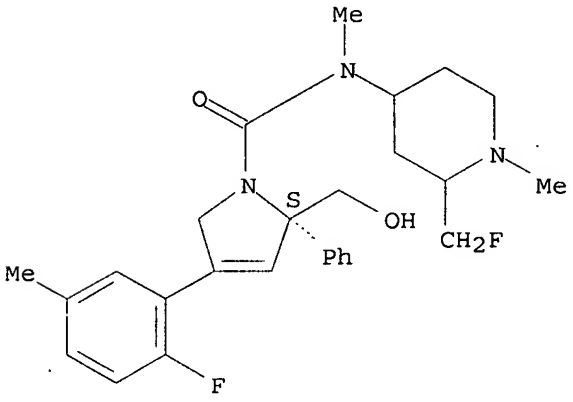
RN 847042-39-1 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(5-cyano-2-fluorophenyl)-N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



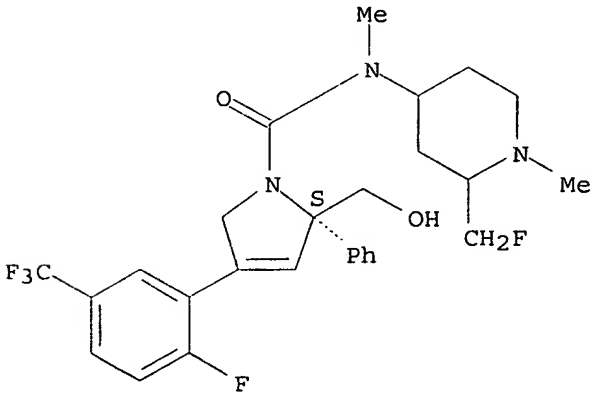
RN 847042-40-4 CAPLUS
CN 1H-Pyrrole-1-carboxamide, N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-4-(2-fluoro-5-methylphenyl)-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



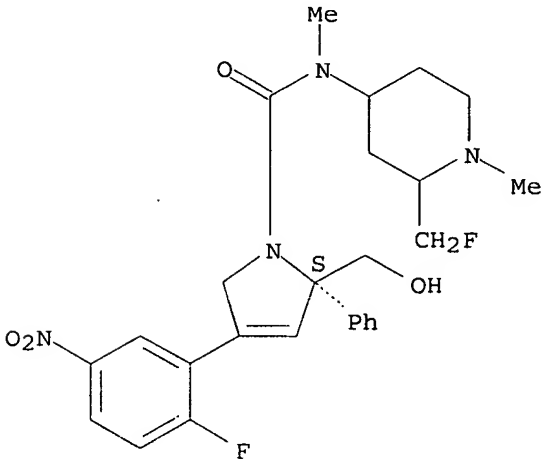
RN 847042-41-5 CAPLUS
CN 1H-Pyrrole-1-carboxamide, N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-4-[2-fluoro-5-(trifluoromethyl)phenyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



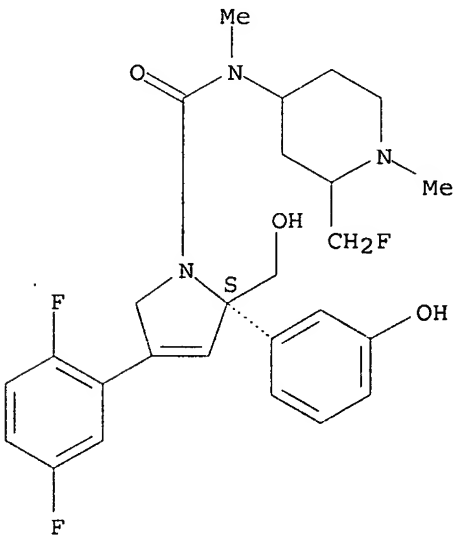
RN 847042-42-6 CAPLUS
CN 1H-Pyrrole-1-carboxamide, N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-4-(2-fluoro-5-nitrophenyl)-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



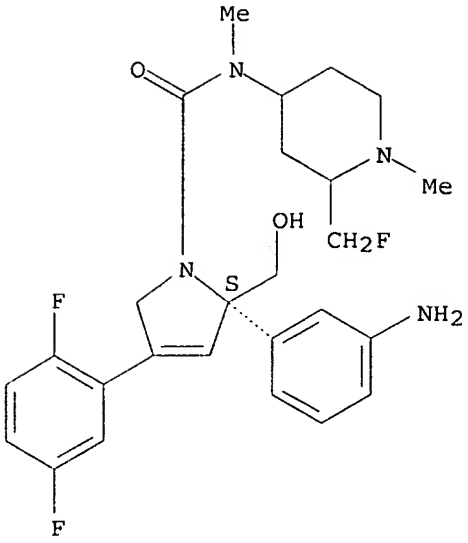
RN 847042-43-7 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-2-(3-hydroxyphenyl)-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



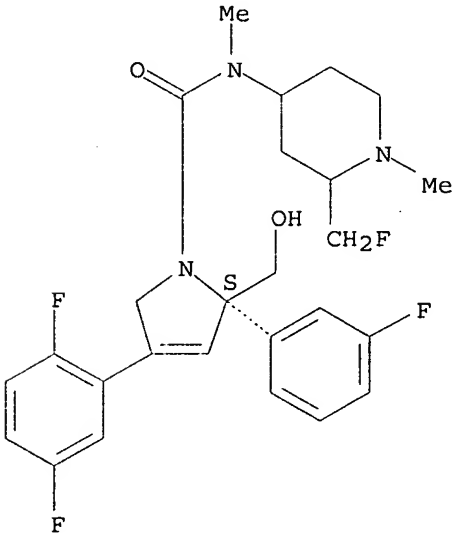
RN 847042-44-8 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 2-(3-aminophenyl)-4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



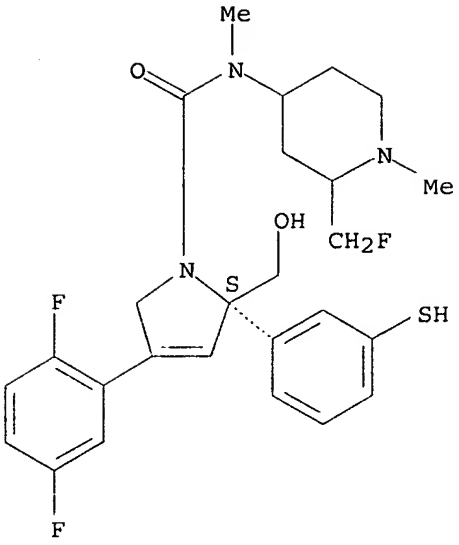
RN 847042-45-9 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-2-(3-fluorophenyl)-2,5-dihydro-2-(hydroxymethyl)-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



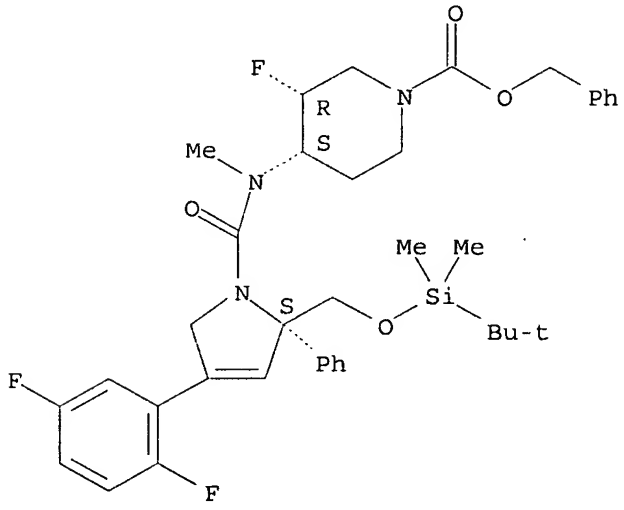
RN 847042-46-0 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-2-(3-mercaptophenyl)-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 847041-34-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of dihydropyrrolecarboxamides as mitotic kinesin inhibitors for treating or preventing cancer)
RN 847041-34-3 CAPLUS
CN 1-Piperidinecarboxylic acid, 4-[[[(2S)-4-(2,5-difluorophenyl)-2-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]-2,5-dihydro-2-phenyl-1H-pyrrol-1-yl]carbonyl]methylamino]-3-fluoro-, phenylmethyl ester, (3R,4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:140806 CAPLUS
DOCUMENT NUMBER: 142:240324
TITLE: A preparation of pyrrolecarboxamide derivatives, useful as mitotic kinesin inhibitors
INVENTOR(S): Coleman, Paul J.; Cox, Christopher D.; Garbaccio, Robert M.; Hartman, George D.

PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 52 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2005038074	A1	20050217	US 2004-916096		20040811
WO 2005019205	A1	20050303	WO 2004-US25980		20040811
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
BR 2004013580	A	20061017	BR 2004-13580		20040811
NO 2006001194	A	20060505	NO 2006-1194		20060314
PRIORITY APPLN. INFO.:			US 2003-495637P	P	20030815
			US 2003-512680P	P	20031020
			US 2004-563586P	P	20040419
			WO 2004-US25980	W	20040811

OTHER SOURCE(S): CASREACT 142:240324; MARPAT 142:240324
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

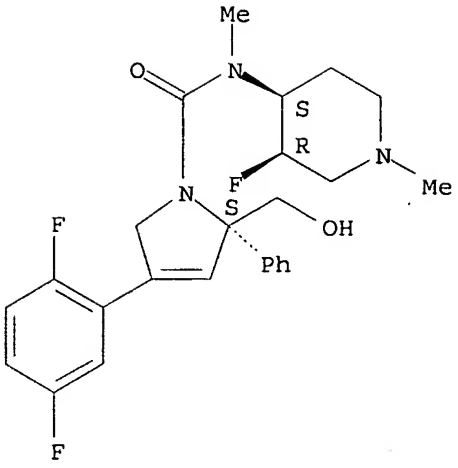
AB The invention relates to a prepn. of pyrrolecarboxamide derivs. of formula I [wherein: R1 is H, alkyl, aryl, or heterocyclyl, etc.; R2 is 4-piperidinyl deriv.; R3 is H, alkyl, alkdiyl-OH, alkdiyl-O-alkyl, or alk(en/yn)diyl-C(O)-NH2, etc.; R4 is CO2H, halogen, CN, or OH, etc.; R5 is H, CO2H, CN, halogen, or OP(:O)(OH)2, etc.], useful for treating cellular proliferative diseases, for treating disorders assocd. with KSP kinesin activity, and for inhibiting KSP kinesin. The invention is also related to compns. which comprise these compds., and methods of using them to treat cancer in mammals. For instance, pyrrolecarboxamide deriv. II (kinesin ATPase in vitro assay: IC50 < 50 .mu.M) was prepd. via amidation of carbamoyl chloride III by amine IV (conversion of III to the product was >98%).

IT 845256-65-7P
RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of pyrrolecarboxamide derivs. useful as mitotic kinesin inhibitors)

RN 845256-65-7 CAPLUS

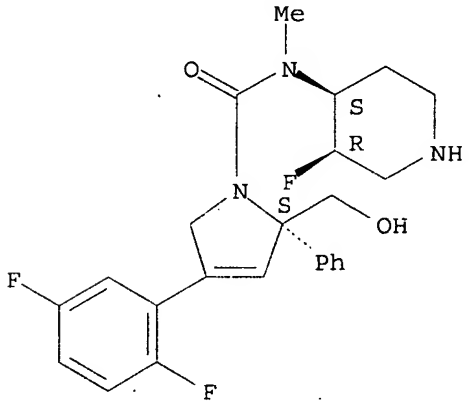
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3R,4S)-3-fluoro-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



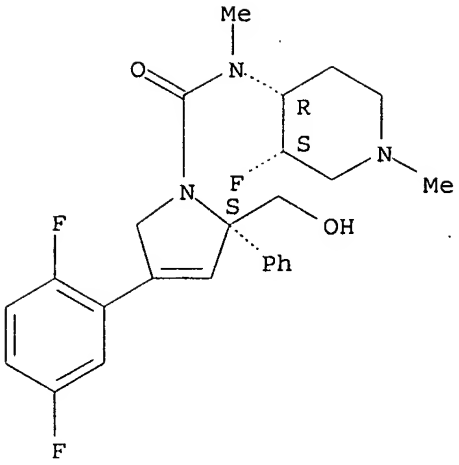
IT 845256-78-2P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepn. of pyrrolecarboxamide derivs. useful as mitotic kinesin inhibitors)
RN 845256-78-2 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3R,4S)-3-fluoro-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



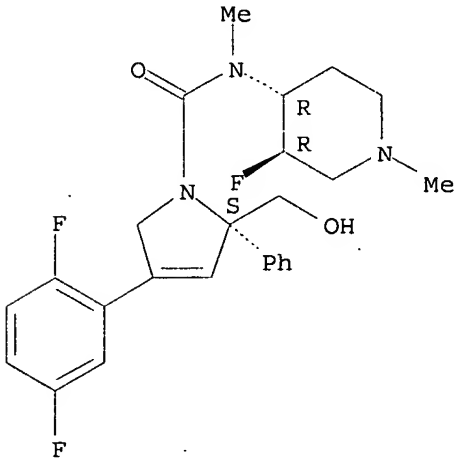
IT 845256-66-8P 845256-67-9P 845256-69-1P
845256-77-1P 845256-81-7P 845256-82-8P
845256-83-9P 845256-84-0P 845256-85-1P
845256-86-2P 845256-87-3P 845256-88-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of pyrrolecarboxamide derivs. useful as mitotic kinesin inhibitors)
RN 845256-66-8 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3S,4R)-3-fluoro-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



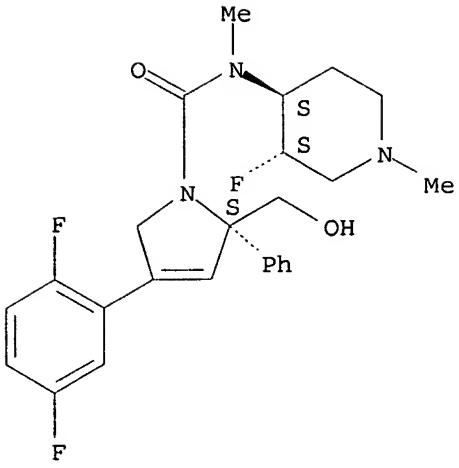
RN 845256-67-9 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3R,4R)-3-fluoro-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



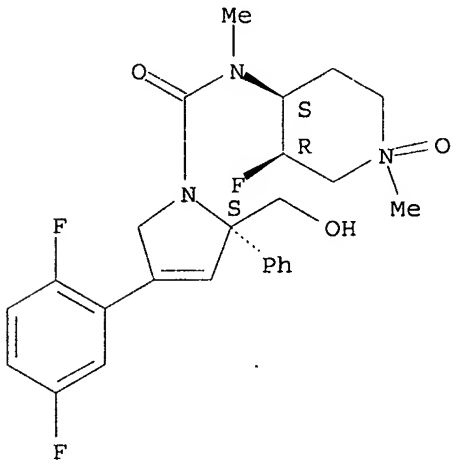
RN 845256-69-1 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3S,4S)-3-fluoro-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



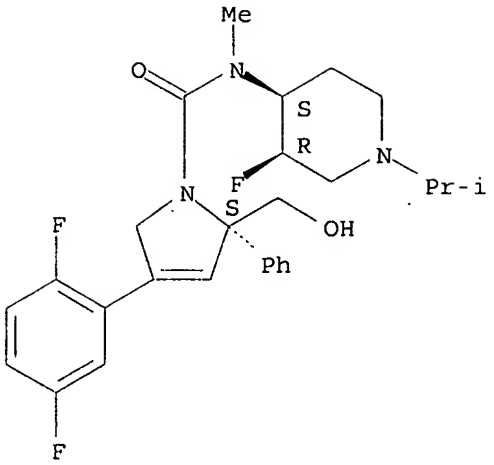
RN 845256-77-1 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3R,4S)-3-fluoro-1-methyl-1-oxido-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



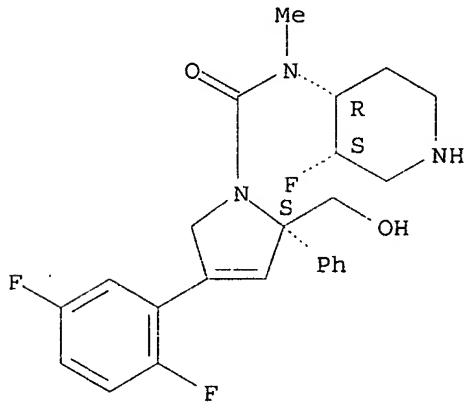
RN 845256-81-7 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3R,4S)-3-fluoro-1-(1-methylethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



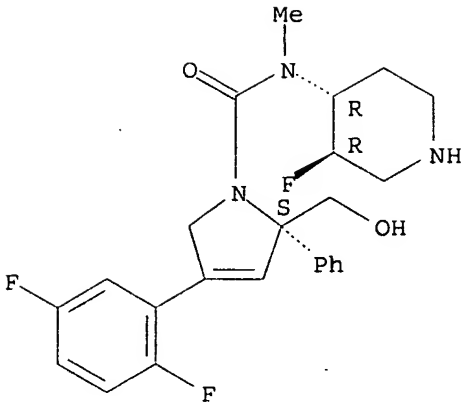
RN 845256-82-8 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3S,4R)-3-fluoro-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



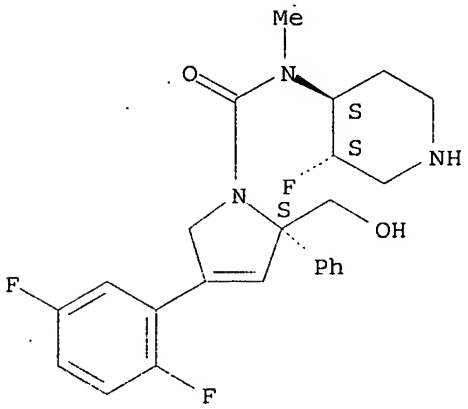
RN 845256-83-9 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3R,4R)-3-fluoro-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



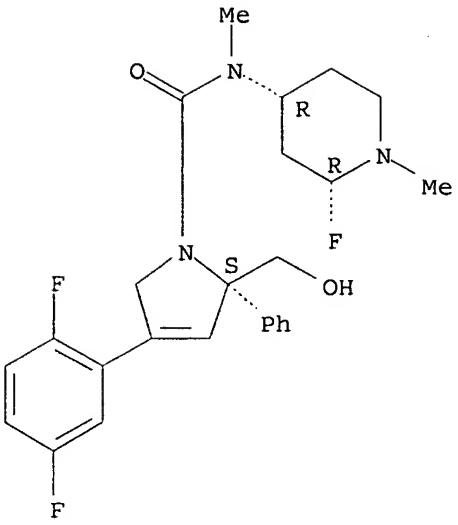
RN 845256-84-0 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3S,4S)-3-fluoro-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



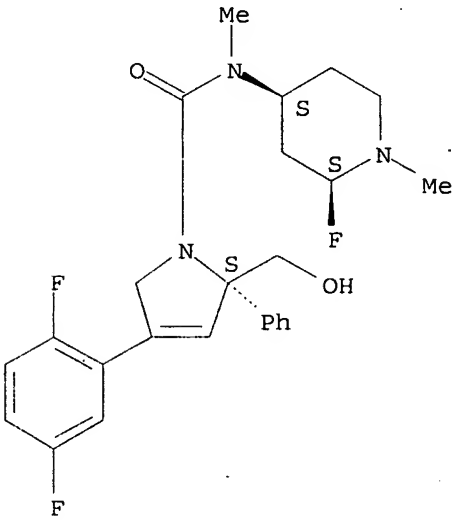
RN 845256-85-1 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(2R,4R)-2-fluoro-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



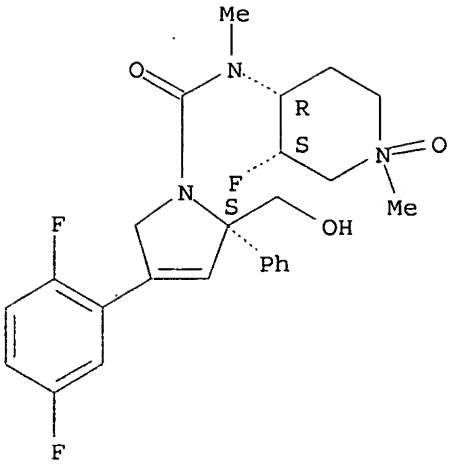
RN 845256-86-2 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(2S,4S)-2-fluoro-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



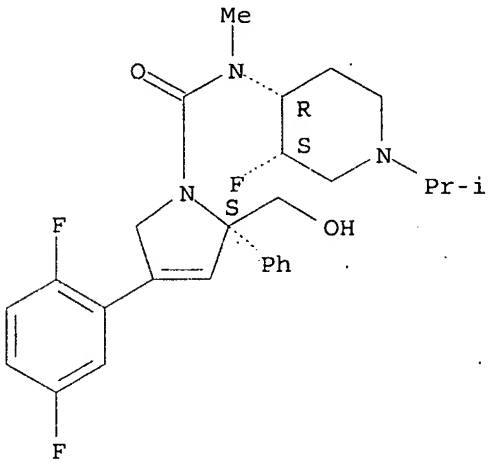
RN 845256-87-3 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3S,4R)-3-fluoro-1-methyl-1-oxido-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



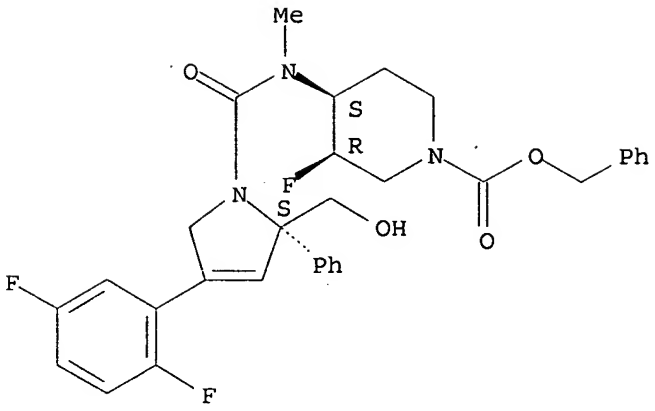
RN 845256-88-4 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(3S,4R)-3-fluoro-1-(1-methylethyl)-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



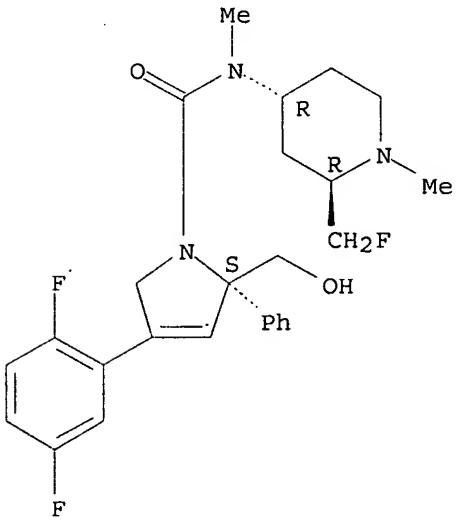
IT 845256-79-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of pyrrolecarboxamide derivs. useful as mitotic kinesin inhibitors)
RN 845256-79-3 CAPLUS
CN 1-Piperidinecarboxylic acid, 4-[[[(2S)-4-(2,5-difluorophenyl)-2,5-dihydro-2-(hydroxymethyl)-2-phenyl-1H-pyrrol-1-yl]carbonyl]methylamino]-3-fluoro-, phenylmethyl ester, (3R,4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



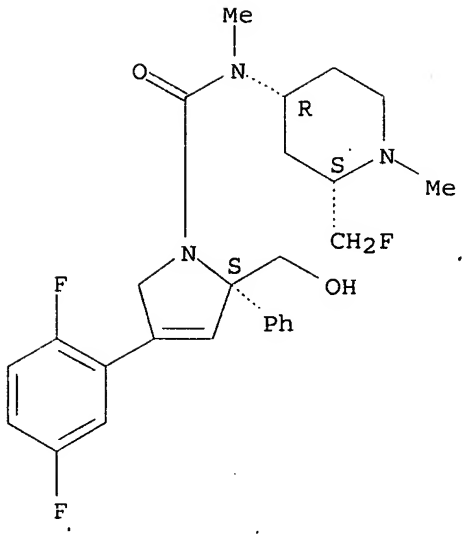
IT 845256-76-0P 845256-90-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of pyrrolecarboxamide derivs. useful as mitotic kinesin inhibitors)
RN 845256-76-0 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(2R,4R)-2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 845256-90-8 CAPLUS
CN 1H-Pyrrole-1-carboxamide, 4-(2,5-difluorophenyl)-N-[(2S,4R)-2-(fluoromethyl)-1-methyl-4-piperidinyl]-2,5-dihydro-2-(hydroxymethyl)-N-methyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.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